



Boise State College
1970-71 Catalog

BOISE STATE COLLEGE CALENDAR

1970-1971

FALL SEMESTER

SUMMER SESSION 1970

First Session	June 8-July 10
Second Session	July 13-August 14

FALL SEMESTER 1970

*Last Date to Complete All Admission Requirements (to be able to register at regular registration times)	4:30 P.M.	Fri.	Aug.	21
Department Chairmen Meeting (By Schools)		Tues.	Aug.	25
Faculty Meeting (By Schools) (Curriculum and Registration Planning, Instructional Preparation)		Wed.	Aug.	26
Residence Hall Open	1:00 P.M.	Sun.	Aug.	30
Pre-Registration Counseling (Seniors and Juniors)	8:00 A.M.-4:30 P.M.	Tues.	Sept.	1
Late ACT Test (Gymnasium)	10:30 A.M.-2:30 P.M.	Tues.	Sept.	1
Foreign Language Placement (Liberal Arts 206) (For students who have foreign language background and wish to continue in the same foreign language)	3:30 P.M.-5:30 P.M.	Tues.	Sept.	1
New Student Orientation & Group Counseling (Gym)	8:00 A.M.-10:15 A.M.	Wed.	Sept.	2
Pre-Registration Counseling (Sophomores and Continuing Freshmen)	8:00 A.M.-4:30 P.M.	Wed.	Sept.	2
Pre-Registration Counseling (Liberal Arts Bldg.) (New, Transfer, & Former BSC Students)	8:00 A.M.-4:30 P.M.	Thurs.	Sept.	3
Registration for Seniors, Juniors, Sophomores (By schedule in Gymnasium)	8:00 A.M.-4:30 P.M.	Thurs.	Sept.	3
Pre-Registration Counseling (Liberal Arts Bldg.) (New, Transfer, & Former BSC Students)	8:00 A.M.-3:00 P.M.	Fri.	Sept.	4
Registration for Freshmen (Gymnasium) (By schedule)	8:00 A.M.-3:00 P.M.	Fri.	Sept.	4
Evening School Registration (Gymnasium)	7:00 P.M.-9:00 P.M.	Fri.	Sept.	4
Evening School Registration (Gymnasium)	9:00 A.M.-12:00 P.M.	Sat.	Sept.	5
Labor Day (Holiday)		Mon.	Sept.	7
Classes Begin		Tues.	Sept.	8
Last Date for Adding New Courses for Credit		Thurs.	Sept.	17
Annual Homecoming		Sat.	Oct.	24
Last Date for Withdrawal without Penalty for Failing Work		Fri.	Oct.	30
Last Date for Removing Incompletes for Previous Semester		Fri.	Oct.	30
End of Mid-Semester Examinations		Fri.	Oct.	30
Veterans Day (Holiday)		Wed.	Nov.	11
Thanksgiving Vacation	from 10:00 P.M. to 7:00 A.M.	Wed. Mon.	Nov. Nov.	25 30
Last Date to Withdraw from Classes	4:30 P.M.	Mon.	Nov.	30
Semester Examinations (Thursday, Friday, Monday, Tuesday)	from 8:00 A.M. to 5:00 P.M.	Thurs. Tues.	Dec. Dec.	17 22
Residence Halls Close	6:00 P.M.	Tues.	Dec.	22
Christmas Vacation	from 5:00 P.M. to 8:00 A.M.	Tues. Tues.	Dec. Jan.	22 22
*Students who complete after this date will be charged a late registration fee and scheduled after regular registration times.				

BOISE STATE COLLEGE



CATALOG 1970-1971

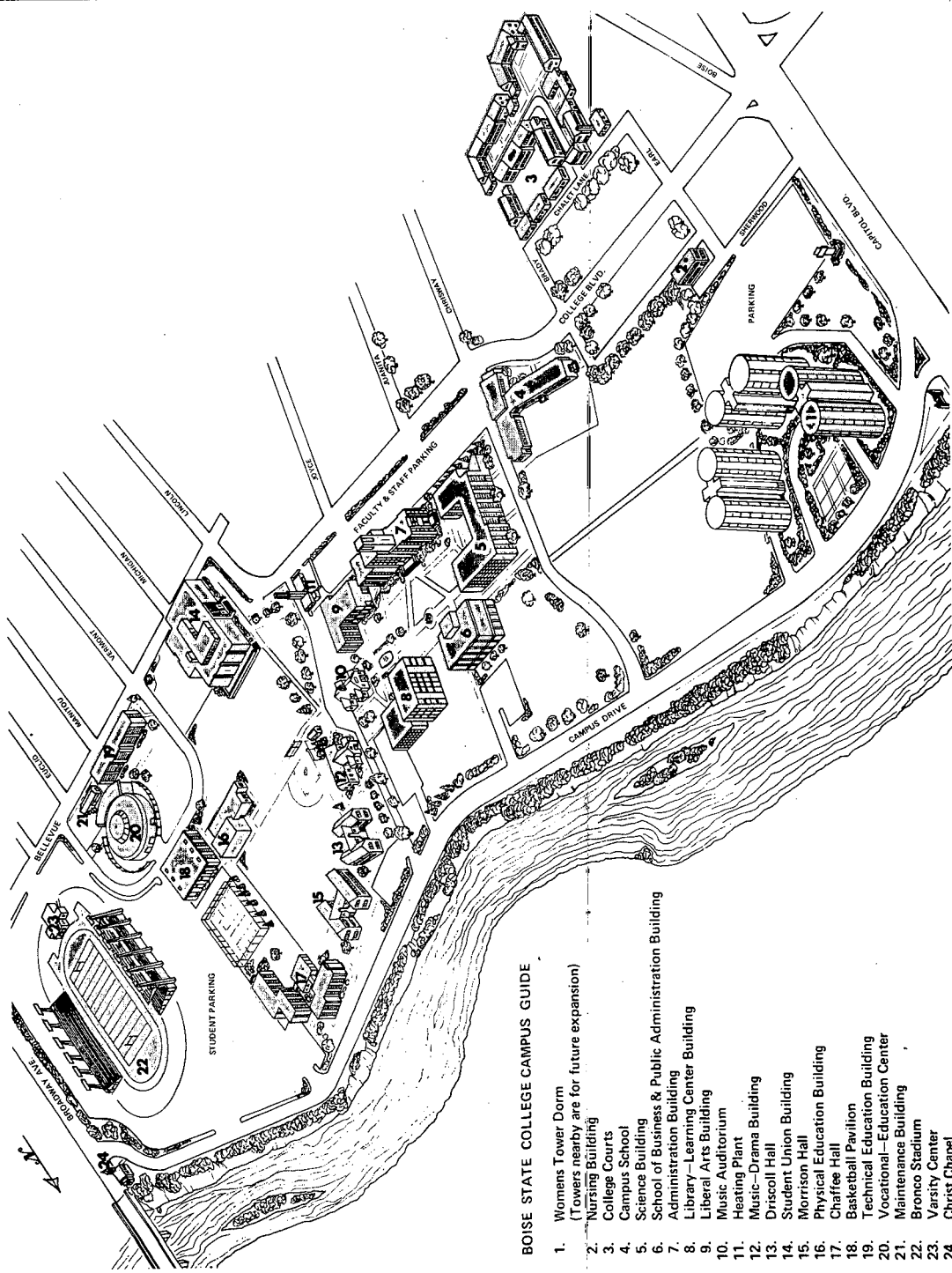
BOISE, IDAHO

BOISE STATE COLLEGE BULLETIN

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BOISE STATE COLLEGE CAMPUS GUIDE

1. Womens Tower Dorm
(Towers nearby are for future expansion)
2. Nursing Building
3. College Courts
4. Campus School
5. Science Building
6. School of Business & Public Administration Building
7. Administration Building
8. Library—Learning Center Building
9. Liberal Arts Building
10. Music Auditorium
11. Heating Plant
12. Music—Drama Building
13. Driscoll Hall
14. Student Union Building
15. Morrison Hall
16. Physical Education Building
17. Chaffee Hall
18. Basketball Pavilion
19. Technical Education Building
20. Vocational—Education Center
21. Maintenance Building
22. Bronco Stadium
23. Varsity Center
24. Christ Chapel

TABLE OF CONTENTS

Calendars	
Fall 1970	Inside Front Cover
Spring 1971	Inside Back Cover
Map of Campus	ii
Board of Trustees	iv
Administration	v
PART I	1
General Information	1
Outreach Services and Programs	6
Graduate Degree Programs	9
Schedule of Fees and Charges	13
PART II	17
Student Personnel Services	17
Student Activities	23
Housing	26
Admissions Requirements	29
Academic Regulations	33
Graduation Requirements	36
PART III	45
School of Arts and Sciences	45
Division of Arts and Letters	46
Division of Science and Health	88
PART IV	125
School of Business and Public Administration	126
PART V	145
School of Education	146
PART VI	169
Area Vocational-Technical School	170
FACULTY	189
Full Time	189
Emeriti	202
Elementary Education	202
INDEX	203

NOTE: The provisions of this publication are not to be regarded as an irrevocable contract between the student and the College. The College reserves the right to change any provision, requirement or course offering at any time within the student's term of attendance.

BOISE STATE COLLEGE

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DIRECTOR, EXTENDED DAY AND SUMMER SESSIONS

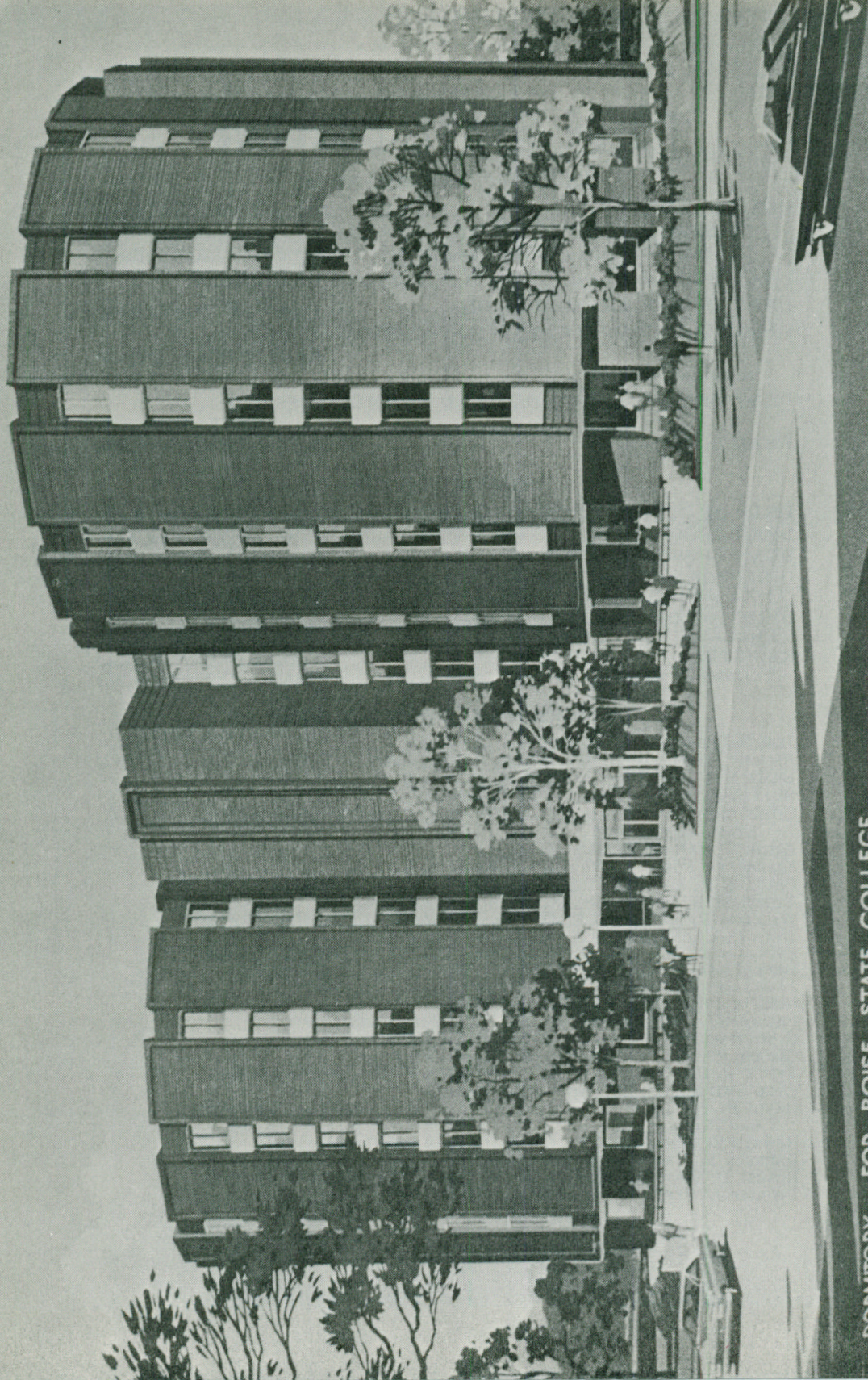
JAMES R. WOLFE, M.B.A.
HEAD LIBRARIAN . . . RUTH MCBIRNEY, B.A.LIB.

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DIRECTOR OF HIGH SCHOOL AND
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DORMITORY FOR BOISE STATE COLLEGE
THOMPSON & KOLBO, ARCHITECTS

PART I

General Information

HISTORY

Boise State College is the product of citizens in action. From the inception of the school, during the Depression 30's to February, 1965 when it acquired four-year status as "Boise College," to its present status as a comprehensive state college, the institution has developed through district, regional, and state support.

When college seemed beyond the reach of many young people, in the spring of 1932, an Episcopal Bishop, the Right Reverend Middleton S. Barnwell, organized Boise Junior College. Its classes were held in St. Margaret's Hall, a church-operated girls' academy. Several of the original faculty members are still with the school.

Two years later, in answer to an appeal from the Bishop, a group of visionary citizens formed a non-profit corporation to continue the operation of the fledgling school. The city of Boise, in turn, contributed land on which to build a campus, on a 110-acre tract south of the Boise River, the former municipal airport.

The Idaho Legislature helped lay the ground work to make the college a public institution by passing an enabling act in February, 1939, permitting the formation of junior college districts. Within a month, the Boise Junior College District was formed by a large majority of the qualified voters; and the school opened that fall as a public institution. Another district vote, by a 10 to 1 majority, approved the necessary funds to start building a college plant.

The 1965 Legislature acted to form a new four-year degree granting institution, Boise College. The first upper division courses were offered during the summer session of 1965, and the first graduation from the four-year college was in the spring of 1967. The 1967 State Legislature voted for the integration of Boise College into the state system of higher education effective January 1, 1969 and changed the name to Boise State College. Boise State is fully accredited by the Northwest Association of Secondary and Higher Schools.

To meet the educational needs of men and women of all ages Boise State College offers one- and two-year courses of study through its Area Vocational-Technical School, and four-year curricula leading to the baccalaureate degree in a variety of fields.

INSTITUTIONAL MISSION AND OBJECTIVES

The paramount role of a college was set long ago. It is to educate the individual, to ensure his development, and to enlarge his opportunity. We must rededicate ourselves to these goals and thereby strengthen them in a world of restless political, social, technological and economic change.

We believe that every college student needs a broad education to equip him for mobility in employment, in social life, in community, state and national citizenry, and that each student deserves an environment that contributes to his total growth as an individual. Therefore, the college should help to create an intellectual atmosphere that encourages students to develop a scientific spirit of investigation that becomes a life-long approach to issues and problems—in essence, to provide the opportunity for a sound, liberal education for all of its students through formal classes and informal avenues of learning and, hopefully, to liberate their minds from stereotyped thought and shallow decision making.

The college should provide a range of opportunities for student-faculty dialogue in other than a classroom situation, as well as provide educational opportunities to its students through self-government and other student activities that enhance self-growth, and various individual services that correlate with instruction, such as counseling, guidance, placement, testing and health services.

We also believe strongly in the development of special educational areas to equip students with the professional or technical skills and knowledges necessary for entrance into employment upon graduation. In addition, we seek to help students gain respect for excellence of performance and to provide educational programs that prepare them to become workers and leaders in the professions, in business, in governmental positions, in teaching and in industrial occupations.

Teaching, knowledge and innovation must be advanced on every front—the arts, the sciences and the occupations. In these areas we should allot a greater proportion of our total effort to teaching, first to extend still further each student's understanding of the world, and second, to enrich basic and applied research in the sciences, humanities, and technology so essential to the improvement of humanity in all respects. Therefore, we should encourage the faculty and administration to engage in personal and team research which contributes to institutional improvement of personal growth, and maintain effective communication with students, alumni and the general public in an attempt to assess continually the effectiveness of the college in fulfilling its mission.

The status of the individual must remain our primary concern, and we must further enhance the dignity of the individual student, promote the maximum development of his capabilities, stimulate their responsible use, and widen the range and effectiveness of opportunities for individual choice, self-development and self-expression.

We further believe that a state college must recognize its responsibility to the public it serves and should therefore assist in the state's growth and development by always making its resources available for solving problems, by making a variety of cultural, avocational and occupational experiences available through its publications, workshops, concerts, plays, speakers, conferences, evening course offerings and sports events, and by offering educational training and retraining programs needed by education, industry and business.

In essence, then, the prime purpose of this state college is influencing the thought and behavior of its students and its public, and the prime recognition is that both teaching and learning are best accomplished when a variety of techniques and skills are aptly employed.

THE PLAN

Courses of study are planned to meet the needs of high school graduates who desire additional training or education for the following reasons:

1. To obtain a baccalaureate degree by enrolling in a full four-year course; or to obtain pre-professional background.
2. To obtain a general or specialized education beyond high school.
3. To qualify for business or professional positions through additional education and training.
4. To obtain new skills or retaining in present work, in evening classes.
5. To provide general educational and cultural opportunities to the public.

THE PLANT

The tree-studded campus south of the Boise River, opposite Julia Davis Park, is bounded on the west by Capitol Boulevard and on the east by Broadway Avenue. It is traversed on the north by a picturesque river road at the end of which stands a small historic chapel which was moved on campus for posterity. College Boulevard is the southern boundary line of the campus.

The college is within walking distance of the downtown area, below the hill from the Union Pacific Station. Opposite the campus on the south are several religious centers of various denominations.

The Administration Building was completed in 1940 and was followed that same year by the Heating Plant, Music Auditorium, Vocational Shop, Gymnasium and the Music-Drama Annex.

The Science Building was completed in 1955 with a new wing added in 1966. The building provides excellent laboratories, class and seminar rooms and a 260-seat theater-type lecture room.

The Liberal Arts Building was completed in 1967. It includes 33 classrooms, 7 Art Laboratories, 31 Faculty Offices, a Foreign Language Laboratory and a 322-seat lecture auditorium equipped with some of the most advanced teaching aids.

The Library, constructed in 1964, is a modern, brick and glass structure overlooking the Boise River on the north, with a south terrace facing the Liberal Arts Building and the Memorial Mall. The Library accommodates about 450 students at reading tables and individual study desks. The book collection totals nearly 100,000 volumes, including nearly 6,000 reference volumes. Typing rooms and listening facilities are easily accessible, with approximately 1,800 phonorecords and tapes available. The Periodical Department, centrally located on the second floor, receives about 1,100 periodicals and over 30 newspapers, including a number of Idaho newspapers. Microform readers are available for reading periodical and newspaper back files on microfilm or microcards.

The Educational Media Services of the Library include a collection of curriculum resource and special education materials, housed in Room 209. These facilities, providing all types of teaching aids for the classroom, are available to teachers in the Boise area as well as to college students and faculty. A collection of juvenile and young adult books is shelved in Room 218, adjacent to the Periodical Department.

The educational film library contains about 1,400 films and several hundred film strips valued at more than \$100,000. These materials are used not only in the College, but in schools and by community organizations throughout the area. The latest projectors and other audio-visual equipment are available through the Educational Media Services.

The Teacher Education and Library Science department and The Reading Center are also located on the second floor of the Library Building.

Plans for a \$2,500,000 addition to the Library provide for more than tripling the present building area of 44,000 square feet. The four-story addition is projected for completion in the Fall of 1971.

The Foreign Language Laboratory is a completely up-to-date facility which provides students with individual equipment which transmits recorded or "live" speech to a listener, and which affords the listener a chance to become a speaker, practicing the sounds heard. Each student can work at his own speed, and is under the constant supervision of a trained proctor. In addition to learning a foreign language, records and tapes are used to bring songs and music, conversational dialogues, literary selections, phonological drills, and syntactical patterns into the laboratory.

Campus School is an elementary school built by the Boise Independent School District on the college campus. This unique arrangement provides student teaching for education majors, under the guidance of the college and Campus School instructors.

The Cunningham Organ Hall is the main college music auditorium housing the Cunningham Memorial Organ, considered one of the finest instruments of its kind in the Northwest. The building was remodeled in 1953 and seats 500 persons for college and community functions. The Music Department also is quartered here, including practice rooms and studios.

The Music-Drama Annex was used until 1967 as the Student Union Building. It was partially constructed through student fees and further financed by the Board of Trustees and a gift by H. W. Morrison. It provides expanded classrooms, and practice facilities for music students; speech and drama laboratory facilities; a radio broadcast studio; and the Student Health Services.

The **Student Union Building**, opened in the fall of 1967 is a structure of modern design that is the social center of the campus. It includes a large snack bar with enough room for 500 students, a game room, a six lane bowling alley, a ballroom which may accommodate as many as 1,200 persons seated at a banquet, and a barber shop. Adequate parking is available. One of the largest college book stores in the intermountain area is located in the Student Union Building.

Gymnasium and Physical Education building constructed in 1955 is used extensively by the college and the community for events requiring a large seating capacity (up to 4,000). The gymnasium contains two full sized basketball floors and additional large areas adaptable for special training classes, testing and registration.

Bronco Stadium, being rebuilt in 1970, serves as "Home of the Broncos" football team and for track events, outdoor pageants and spectacles, and for athletic events of high schools and other colleges.

The new stadium seats 15,000 and is expandable to 26,000. It has an Astro-turf playing field, synthetic track surfaces, and a modern Varsity Center for athletes.

The **Technical Education Building**, completed in 1966, houses classes, laboratories, and offices of the rapidly expanding Vocational-Technical Education Program. Drafting Technology, Electronics, Office-Machine Repair, Horticulture, Practical Nursing, and Dental Technician training are some of the activities conducted in this building.

Women's Residence Halls, **Morrison Hall** and **Driscoll Hall** were both completed in 1951 with identical construction of 48 single rooms and 15 double rooms. Central features are downstairs parlor and large recreation rooms. Each dormitory has 10 suites with small living room and lavatory facilities for the occupants. Laundry facilities also are available for the residents.

Opened in the fall of 1967, **Chaffee Hall** is a men's residence, designed to accommodate 300 students. This beautiful new addition to the campus includes a central unit that is air-conditioned and contains a carpeted lounge, TV room, recreation room, and Resident Director's apartment. Students are housed in two separate three-story units with twenty-four double rooms, two single rooms and a Resident Advisor's room on each floor.

The **Vocational-Technical Center** is a new facility to open in the fall of 1970 housing shops and laboratories in automotive technology, welding, and machine shop. A Learning Center is in this building as well as a variety of general classrooms and offices.

The **School of Business and Public Administration Building** is also new for the fall of 1970. It houses a wide variety of classes in business and government, is air-conditioned and excellently equipped.

CULTURAL ADVANTAGES

Boise State increasingly is becoming the hub of cultural activities for the area, with many events presented at no charge, or for a nominal attendance fee. The College Lyceum Committee sponsors a series of lectures and entertainment featuring outstanding public figures or artists on tour to which the public is invited.

Dramatic offerings by student actors are presented each season.

A full calendar of musical offerings includes recitals, concerts of the a cappella choir and the college band (both of which go on tour each year), the BSC-Community Symphony orchestra, and an annual Opera Workshop production.

As the state capital, Boise offers many additional advantages to the students who can observe first hand various governmental departments, where they frequently have an opportunity to work. The city is the hub of communications, with the largest daily newspaper in the state, two major television stations, two weekly newspapers and seven radio stations.

There are two modern hospitals, plus a renowned convalescent center. It is a city of churches, and civic organizations abound for both men and women.

Music opportunities for participants and audience alike are here with a Philharmonic Symphony orchestra, the Community Concert series, in addition to several major musical show productions involving local talent given each year. There is an active Little Theatre group, an Art Association which sponsors an Art Gallery in Julia Davis Park, and a Historical Society in conjunction with the State Historical Museum also located in the Park, across the river from the college campus.

Boise Valley has a mild climate, only a few miles' drive to the mountains for abundant snow. Bogus Basin, the local ski area, is only 16 miles from the city. Family camping is a favorite recreation, with hunting and fishing practically at one's backdoor. Water sports are found at nearby Lucky Peak reservoir, Lake Lowell and many other recreation spots within a short drive of town.

The city is international headquarters for two large companies, Boise Cascade Corporation and Morrison-Knudsen Construction Company.

ACCREDITATION

Boise State College is a fully accredited senior college with membership in the Northwest Association for Secondary and Higher Schools.

HONORS PROGRAM

Students entering Boise State College with outstanding high school records or students already enrolled in the College who have shown promise of high academic achievement may apply for admission to the Honors Program.

The Honors Program is designed to enhance the educational experience of the serious and able student by supplementing his prescribed academic program with a broad scholarly effort taking many forms, ranging from independent depth studies through special seminar experiences to intellectual discussion of basic issues and problems in a variety of fields.

Application forms and general information related to admission requirements for the Honors Program may be obtained by contacting the Director of Admissions, Boise State College, Boise, Idaho 83707.

OUTREACH SERVICES AND PROGRAMS EVENING PROGRAM, SPECIAL COURSES, AND COMMUNITY SERVICE OBJECTIVES

The College expresses its concern for individual improvement, equal opportunity, economic efficiency, and civic responsibility by offering continuing education for adults, and community service programs to assist in the process of human and community development by focusing upon the needs, aspirations, and potentialities of individuals, groups, and institutions.

During recent years, the College has successfully experimented with a great variety of courses, institutes, conferences, field trips, seminars, and other special programs to assist individuals and groups in understanding the complex nature of their society, its problems and possible solutions.

The following programs and services are available at Boise State College to individuals, groups, firms, schools, and agencies:

SPECIAL SERVICES AND PROGRAMS

Conference, Workshop, Seminar, Institute Planning Assistance—The College offers assistance to groups and agencies that desire help in planning educational programs or require assistance in upgrading personnel in new techniques, knowledge, and skills. Classroom facilities and equipment for these programs can be arranged.

Faculty and Staff Consultation Service—The faculty and staff of Boise State College stand ready to assist business, industry, educational institutions, governmental agencies, professional groups, and others in the solving of their problems or in their research and development efforts.

Use of Facilities—Boise State College will make available meeting rooms and classroom facilities to the various community groups and agencies.

Reading Education Center—Individualized reading improvement programs will be arranged for students with specialized reading problems. This service will be available for students grade 4 through college during the fall, spring, and summer terms.

Educational Media Services—A large collection of educational media materials is housed in the library. These teaching aids are available for the college faculty, the school teachers of the state, the students in teacher education. Community organizations may use these media when available. Projectors, TV and AV equipment are available for group use on the campus.

Data Processing Center—Tours of facilities, equipment demonstrations, and inservice lectures relative to data processing are available upon request.

The Visiting Scientist Program—The Division of Science and Health has a number of faculty members who are willing to speak to high school science and mathematics classes. Each participant has prepared presentations of approximately forty minutes duration on topics that would be appropriate for interested high school students. The Visiting Scientist Program is available without cost to the school. Presentations may be scheduled for single classes or collective classes. Speakers can be scheduled for one day only, but when necessary, the presentation may be given as many as three times during that day. Three weeks advance notice is necessary for proper scheduling.

Speaker's Bureau—As a service to the region and state, Boise State College has organized a Speaker's Bureau, whose members have volunteered to present lectures and/or talks before community groups and organizations. Write or call the News Bureau at 385-1309 to make requests.

Public Affairs and Cultural Enrichment—Boise State College offers great variety in its program of public affairs and cultural enrichment with many events presented at no charge. Many of these offerings can be presented in your community. Some of the events that provide opportunities of participation and observation include:

- College Band
- Drama Offerings
- Opera Workshop
- A Capella Choir
- Traveling art exhibits
- Foreign Film Festival
- Concerts and Recitals
- Faculty Lecture Series
- Forums of particular arts
- BSC Community Symphony Orchestra
- Demonstrations in various fields of study
- Programs of outstanding artists and lectures

EVENING INSTRUCTIONAL PROGRAMS AND SPECIAL COURSES

Extended Day Program—The College offers academic, avocational, and vocational courses on campus for the many individuals in the community who seek to achieve their own personal educational objectives.

Mountain Home-Mountain Home Air Force Base Program—Boise State College offers academic, college-level courses in a resident program to military personnel, their dependents, and members of the surrounding communities who desire to pursue educational goals.

Evening Vocational-Technical Educational Program—This program is designed to offer courses in a wide variety of occupational fields to upgrade those individuals currently engaged in the skill, craft, trade, or technology in which the courses are offered.

M.D.T.A. Programs—The Manpower Development Training Act (MDTA) is a joint state and federal government sponsored program to train adults in job areas where there is a shortage of skilled personnel. A co-objective of this program is to reduce the ranks of the unemployed and underemployed in the state and in particular the Southwestern region of Idaho.

Adult Basic Education Program—Basic literacy training for adults in the community is offered at the Vocational-Technical Division for those who desire to upgrade themselves in order to qualify for occupational entry and/or pursue high school instruction and certification. In addition, Boise State College sponsors the adult basic education program at the Idaho State Penitentiary.

General Educational Development (G.E.D.) Training—As a part of the Adult Basic Education Program, the College offers instruction and prepares adults who wish to take the General Educational Development Test to qualify for the Idaho high school equivalency certificate.

Guided Studies Program—Boise State College has begun a program of guided studies that encompasses high school subjects for adults. Currently the courses include Algebra, Plane Geometry, General Mathematics, English I, II, and III, American Government, Social Studies, and Natural Science. These courses are taught on either a semester or short course basis, depending on the needs of the adult student. Other courses are available to the students on demand. These courses meet the State of Idaho and Veterans Administration approval requirements (Chapter 34, Title 38, U.S. Code—VAR 14253A2).

Head-Start Instructor Preparation Program—The College participates with other institutions in the state in offering courses to Head-Start Program personnel to improve their educational base and instructional abilities. These instructors work with disadvantaged pre-school children to prepare them for school.

Special Interest Group Courses and Programs—Offerings that have proved to be of continued utility to various special interest groups, such as the engineers workshop preparing participants for the state licensing examination, are offered as a regular, periodic feature of the College's instructional program.

Idaho Continuing Education—The College works with the Idaho Continuing Education Agency in offering courses throughout the State of Idaho for both resident and extension credit from Boise State College.

CIVIC IMPROVEMENT EFFORTS

Boise State College as an institution and more specifically its faculty, staff, and students are engaged in cooperative efforts with state and local governments, business, industry, professions, religious groups, and social groups to increase the resources of the community or to resolve major problems confronting the state and the community.

COORDINATING OFFICE AND INFORMATION CENTER

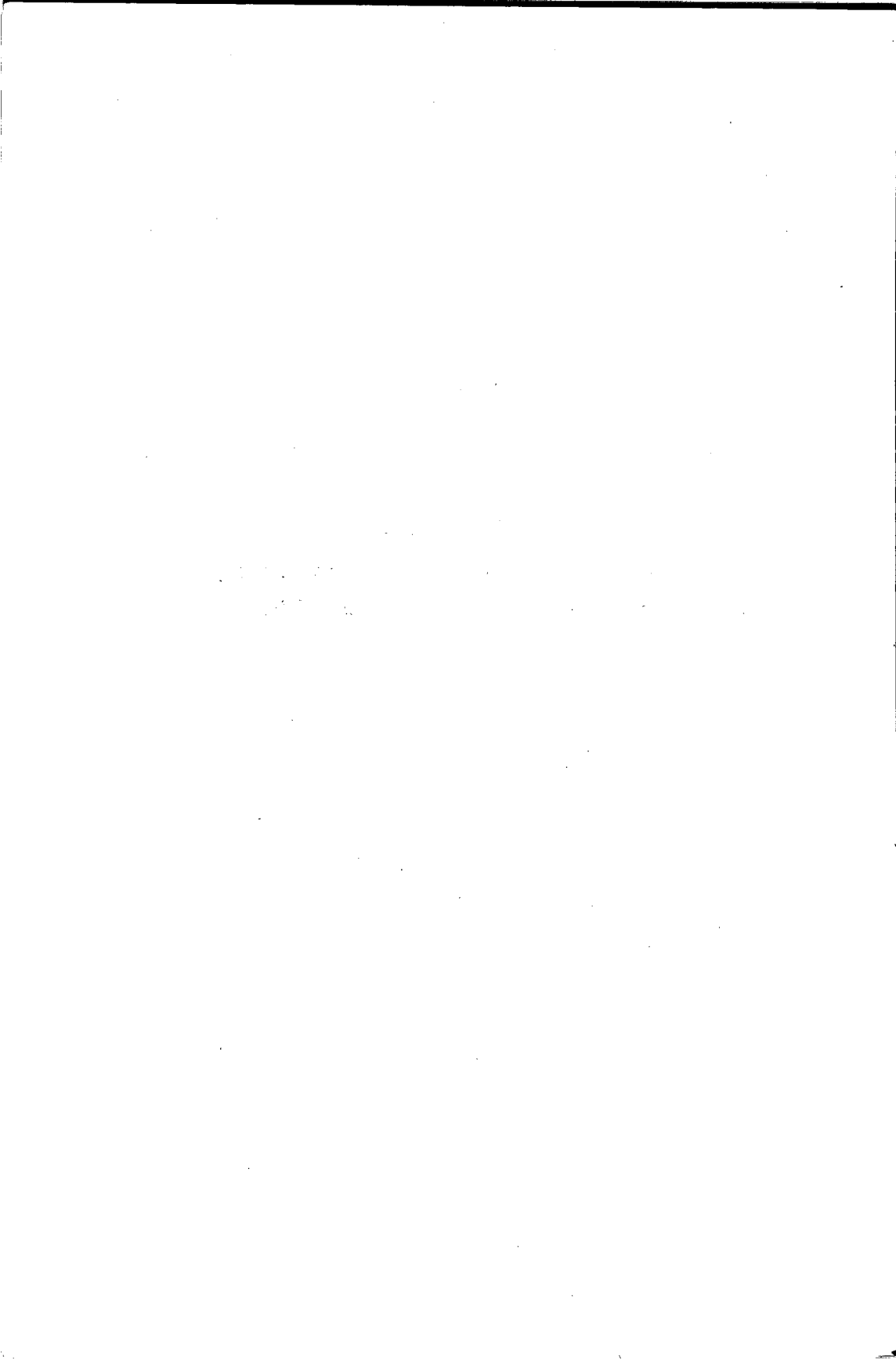
In general, the Director of Extended Day and Summer Sessions is responsible for the total program of continuing education and community service. He directs, supervises, and administers the Evening Program (both academic and vocational), the Mountain Home Air Force Base Program, and special workshops, institutes, seminars, and conferences both on and off campus. In addition, he is responsible for the development, direction, and coordination of the Community Development-Community Service program with the Deans of the various schools as well as with the administrators of other major functions of the College.

The nature of the programs under his direction include credit, non-credit, vocational, avocational, extension, and special interest courses on the college level and at the less than college level.

For more information about the evening programs-special service and development activities of the College, contact Mr. James R. Wolfe, Director of Extended Day and Summers Sessions, Boise State College, 1907 Campus Drive, Boise, Idaho 83707 or telephone 385-1303.

N O T I C E

Pages 9, 10, 11, and 12 of the 1970-1971 Boise
State College Catalog have been deleted.



SCHEDULES OF FEES AND CHARGES

All of the fees, tuition, and other charges are due and payable at the time of registration each semester. Board and room charges may be paid in advance for the year or arrangements may be made to pay in advance on a partial payment basis by consulting the Business Manager. (See section under Housing.)

Veterans and War Orphans who plan to attend on the GI Bill of Rights must, upon registration, present their certificates of eligibility and must pay all required charges at time of registration. Fourteen credit hours will be considered by the Veterans Administration as a full schedule. Note: Repeats and Audits may not be counted toward this fourteen hours.

Eight or more credit hours will be considered a full schedule for purpose of calculating charges:

All fees, tuition and other charges are subject to change without notice.

TUITION AND FEE SCHEDULE

	Idaho Resident	Non- Resident
Tuition: (per semester)	\$—0—	\$370.00
Fees: (per semester)	160.00*	160.00*
TOTAL TUITION & FEES	\$160.00	\$530.00

PART-TIME, EXTENDED DAY AND SUMMER

FEES		
Part-time	\$18.00 per semester hour	
Extended Day	18.00 per semester hour	
Summer	18.00 per semester hour	
Application Processing Fee: (Non-Refundable)		\$10.00
Testing Fee:		
Students who have not taken the ACT tests on a regular national testing date will take the test during registration week. There will be no charge to those who have already taken the tests		12.00
Change of Schedule Fee: (Changing or adding classes)		1.00
Examination:		
At other than scheduled time (quizzes)		1.00
Final Semester examination†		3.00
Graduation Fee—Associate Degree:		
Non-Refundable (including cap and gown rental)		5.00
Graduation Fee—Baccalaureate Degree:		
Non-Refundable		10.00
Transcript:		
One sent free; extras, each		1.00
(When two or more are ordered at the same time the first copy will be \$1.00 and additional copies 50 cents each.)		
Placement Service Fee:		
(For Teacher Education only)		\$10.00
Others		3.00
Music, Applied:		
Piano, MA-151	(per semester)	55.00
Voice, MA-181	(per semester)	55.00
Organ, MA-131	(per semester)	55.00
Violin, MA-171	(per semester)	55.00
Cello, MA-121	(per semester)	55.00
String Bass, MA-123	(per semester)	55.00
Woodwind Instruments	(per semester)	55.00
Brass Instruments	(per semester)	55.00

*Includes 3% Idaho Sales Tax.

†No early final examinations are allowed. Late final examinations can be arranged when extenuating circumstances exist—permission of the Dean of the school is required.

Music—Rental Fees:

Practice Room with piano for one hour daily, six days per week	(per semester)	6.00
Organ Rental, one hour per day	(per semester)	27.00
Key deposit for any music practice room	(per semester)	3.00

Swimming: (per semester) 10.00

Bowling: (per semester) \$15.00

Late Registration Fee: \$5.00 to \$15.00

To help defray the extra cost involved with late registration, a fee is charged at the rate of \$5.00 per day after the regularly designated days for registration to a maximum of \$15.00. The cashier is not authorized to accept a late registration without the payment of the late fee and any waiver shall be on a refund basis upon the recommendation of the Dean of Student Personnel Services. The acceptance of LATE REGISTRATION IS SUBJECT TO CONCURRENCE BY THE INSTRUCTORS WHOSE COURSES ARE AFFECTED.

ROOM AND BOARD SCHEDULE (FOR TWO SEMESTERS)**Morrison, Driscoll and Marian Hall:**

	Board	Room	Total
Single	\$520.00*	\$350.00	\$870.00
Double	520.00*	320.00	840.00

Chaffee Hall:

Single	520.00*	394.00	914.00
Double	520.00*	342.00	862.00

For Payment Schedule, see section under Housing.

All fees, tuition and other charges subject to change without notice.

RESIDENCE

The legal residence of a student who is a minor shall be considered the same as that of his parents (or surviving parent or guardian). Adults, to be classified as residents of Idaho, must have been domiciled within the State of Idaho, for not less than twelve (12) consecutive months exclusive of full-time enrollment (eight or more semester hours per semester), and must have filed an Idaho resident income tax return for that period.

REFUND POLICY

General fees—When any regularly enrolled student withdraws from Boise State College, a refund of registration charges, including non-resident fees, computed from the regularly scheduled registration day will be on the following basis:

Before classes begin	100%
(Less registration procedure charge of \$15.00)	
During first 2 weeks of classes	75%
During 3rd and 4th weeks	50%
After 4th week	NO REFUNDS

This policy also pertains to part-time students, including special evening classes. No special consideration is to be given to late registrants in extending the refund policy, and these students will not receive a refund on any portion of the late registration fee. The college reserves the right to deduct from the refund any outstanding bills. An itemized statement of deductions will be forwarded with the refund check. Upon completion of the withdrawal process, a refund check will be prepared and issued in approximately two to three weeks from date of withdrawal.

*Includes 3% Idaho Sales Tax (\$9.32).

DELINQUENT ACCOUNTS

The cancellation of the registration and withholding of academic credit of any student with a delinquent account or an unsatisfactory financial relationship with the business office is authorized without notice if the student has been contacted. This regulation may be invoked at the discretion of the Business Manager in cases of disregard in the settlement of returned checks, loss of property or breakage, dormitory or housing breakage, library fines and losses, telephone toll charges, overdue notes, etc.

DISHONORED CHECK POLICY

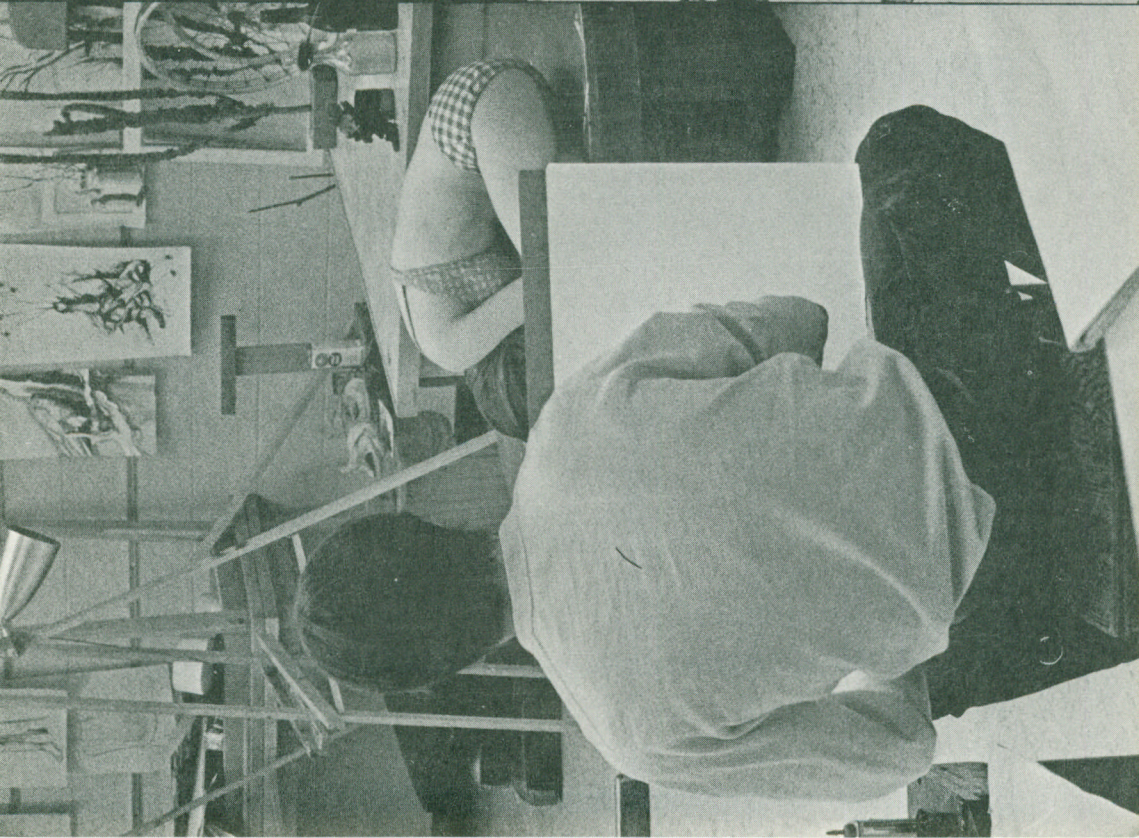
A charge of \$5.00 will be assessed each time a check is returned; this amount will be charged to the student and he will be notified. If not cleared within 10 days, a second notice will be sent and a "hold" placed on his records.

Any check that is registered in payment of registration fees and subsequently returned by the bank will result in automatic postponement of the student's registration and the student will be subject to a late registration fee.

AUDITING OF ACCOUNTS

All funds for public purposes within the College and subject to the jurisdiction of either the College or the Associated Student Body and which are contributed to or collected by any student or faculty member shall be deposited with the Business Manager, subject to withdrawal upon written approval of the proper authorities. An accounting of all receipts and expenditures in the funds shall be made by those responsible for their collection immediately after they shall have been disbursed, this accounting to be audited by the Business Manager.





PART II

Student Personnel Services

SERVICES

- Office of Dean of Student Personnel Services
- Office of Dean of Men
- Office of Dean of Women
- Office of Director of Admissions and Records
- Office of Registrar
- Student Union
- Book Store
- Health Services
- Counseling
- Placement
- Alumni Affairs
- Financial Aids
- Religious Activities

STUDENT ACTIVITIES

- Office of Director of Student Activities
- Student Government
- Student Organizations
- Fraternities and Sororities
- Publications
- Athletics
- Band, Orchestra, Choir
- Debate
- Drama
- Eligibility for Extra-Curricular Activities
- Student Conduct

HOUSING

- Residence Halls
- Off-Campus Housing
- Married Student Housing

ADMISSIONS REQUIREMENTS

ACADEMIC REGULATIONS

GRADUATION REQUIREMENTS

STUDENT PERSONNEL SERVICES

Office of the Dean of Student Personnel Services

The office of the Dean of Student Personnel Services coordinates the activities of the various offices and departments of the College that provide direct service to the student. All services are considered supportive to the instructional program and are designed to provide direct assistance to students in the attainment of their immediate and long range educational goals.

The staff of the Dean of Student Personnel Services administers a student services program encompassing student government, housing, organizations and activities, health, Student Union, counseling, financial aids, admissions, registration, placement, as well as High School and College relations.

Office of the Dean of Men

The Dean of Men is responsible for the general welfare of all male students. Specifically he is involved with academic, personal and social counseling, fraternity, off campus residence hall, organizational and other advisory services, programs, and planning. The Dean of Men's office advises and administers the student judicial and discipline system, activity eligibility requirements, withdrawal from college, selective service information, Interfraternity Council, Student Handbook, Interdormitory Council and student-faculty relations.

Office of the Dean of Women

The Dean of Women is responsible for the general welfare of all women students. Much of her time is spent in individual counseling of women with personal, social, or educational problems. She is concerned with the setting of social standards for the College and the operation of residence halls, she acts as advisor to the Associated Women Students, sororities, Panhellenic and other women's organizations, she also conducts withdrawal interviews and is concerned with student-faculty relations.

Office of the Director of Admissions and Records

All matters relating to undergraduate admission to the College and to credit for work at other schools and colleges are administered by the Director of Admissions. Applications for admission, and inquiries about admissions should be addressed to the Director of Admissions, Boise State College, 1907 Campus Drive, Boise, Idaho 83707.

In addition to undergraduate admissions, this office has general administrative responsibilities for academic retention and readmissions activities, maintenance of student academic records, certification of completion of requirements for undergraduate degrees, registration procedures, and eligibility for athletic participation. This office also administers relations between students and the Selective Service Boards, Social Security Administration, and Veterans' Administration Affairs.

Office of the Registrar

The Office of the Registrar is responsible for direct maintenance of student academic records. All inquiries concerning credit earned at Boise State College or credit earned at some other institution should be made to The Office of the Registrar, Boise State College, 1907 Campus Drive, Boise, Idaho 83707.

Student Union

The Student Union is designed to offer students a wide variety of facilities for recreation, study, dining, and meetings.

Among the services available for student use are a cafeteria, snack bar, lounges and study rooms, conference and meeting rooms, game rooms, a six-lane bowling alley, barber shop, Saga Food Service Office, and a central ticket office. The Student Union employs a full-time director to assist student committees.

Also located in the Student Union is the College's book and supply store.

Bookstore

The bookstore is operated by the College as an official source for all textbooks, study aids, and other school supplies needed by students.

Located in the Student Union, the bookstore has textbooks available for every course offered by the College. Used books are stocked for resale as they become available.

Also offered is a wide variety of merchandise for sale. This ranges from precision drafting equipment and writing materials needed for class use to toilet articles and the latest books.

Health Services

Because good health has a direct relationship to academic accomplishment, Boise State College, endeavors to maintain good student health through a program of preventive and therapeutic medicine.

The College requires a pre-entrance physical examination and personal history to be completed by a licensed doctor of medicine of the students' own choice and at the students' expense before a permit to register will be issued (a form and self addressed envelope is included in the Admissions Bulletin). Physical examinations are required of former Boise State College students, including those in the Graduate School returning to campus after a lapse of five years. Students transferring from another college or university may request a medical transcript from the Student Health Service of that institution and present it in lieu of a new examination of within 5 years. Students separated from military service within one year of registration may present a copy of the separation examination (DD 214). All information received by Student Health Service is strictly confidential.

The health fee entitles the student to receive general medical care and consultation during clinic hours. All available community services are utilized. Some services deemed the responsibility of the student and not included as part of the health plan are: dental care, eye glasses, allergy tests, routine physical examinations and management of special and chronic conditions.

In addition to the Student Health fee, an accident and health insurance policy is required. Boise State College offers a low cost coverage by Blue Cross. This policy provides the student with accident coverage on or off campus 24 hours daily up to a maximum indemnity of \$300, plus 80% hospitalization.

Inquiries regarding the medical examination or health requirements for admission may be made direct to the Student Health Center, Boise State College, phone 385-1373.

Center for Counseling, Testing and Guidance

The Center for Counseling is a service designed to help students with educational, vocational, personal, and social problems. Professional counselors work with the student in a setting that allows confidential discussion of the student's concerns. The student may concentrate on a specific problem or he may work on his general adjustment to the academic life. Psychological tests may be used for self-evaluation and information. Occupational information is available.

All active students are eligible for counseling, and limited services are available for pre-college students. Appointments may be made by phone or in person at the Center for Counseling, Boise State College, 1907 Campus Drive, Boise, Idaho 83707.

Placement Service

For Boise State College students, the Placement Services Office maintains information on off-campus part-time, full-time summer and Christmas employment. Upon completion of semester registrations, student applications for employment must be filed in person at the Placement Services Office, Room 124, Administration Building.

The Boise State College Placement Services Office provides assistance to graduating students and alumni who are seeking career employment. Throughout the year the recruiting of students and graduates by representatives from business, government, industry, and education is arranged by the

Placement Office. Students are encouraged to apply for these interviews early in their senior year so credential files can be established. Recruiting literature, annual statements, the College Placement Annual, and other career references, are provided.

No fee is charged for any of these services.

Alumni Affairs Office

The Boise State College Alumni Association, incorporated in 1965, is a voluntary organization of all former students and graduates. All members are urged to keep the Alumni Office informed about changes in address, employment status, marriages, births, and other information of interest to their fellow class members. The Alumni Office is located in the college Administration Building.

Financial Aids

A. GENERAL INFORMATION

Purpose

The primary purpose of the Financial Aid Program on the Boise State College campus is to provide financial assistance and advice to students who would be unable to pursue their education at the College without such help. In implementing this purpose, the BSC Financial Aid staff recognizes that the financial need of an individual student is bound up with his educational and vocational plans and, very often, with health or adjustment aspects of his development. Thus the financial aid effort is concerned with assisting students in many ways. In addition to counseling with both students and parents, the BSC Office of Financial Aid administers a comprehensive program of scholarships and grants, loans, and employment which may be offered to qualified students singly or in various combinations.

The amount and type of aid a student may receive is determined by his need factor and his academic ability.

Need factor is determined through the Parents' Confidential Statement or the Family Financial Statement. Each student applying for aid through the College is required to submit either the PCS or the FFS to the appropriate agency for evaluation. The forms are available through the high school counseling office or from the College Entrance Examination Board (PCS) and the American College Testing Program (FFS). In utilizing these statements, the College subscribes to the principle that the awarding of financial aid should be based primarily upon financial need.

Academic ability is based on the student's past performance. While forms of financial aid require that the student meet minimum entrance requirements, scholarship aid requires that he show outstanding scholastic promise.

B. SCHOLARSHIPS AND GRANTS

Scholarships

Scholarships are administered by the Scholarship Awards Committee and the Director of Financial Aids.

New student scholarships at Boise State College are designated in the following areas:

1. Academic Achievement Scholarships. Awarded to students of superior achievement.
2. Student Leadership Scholarships. Awarded to students who have displayed leadership ability in class offices, clubs, and organizations.
3. Performing Arts Scholarships. Awarded to those who have demonstrated superior talent in music, art, drama, and debate.
4. Special Talent Scholarships. Awarded to students who have demonstrated some superior ability or accomplishment.

A COMPREHENSIVE FINANCIAL AIDS APPLICATION AND BULLETIN IS AVAILABLE ON REQUEST FROM:

DIRECTOR OF FINANCIAL AIDS
BOISE STATE COLLEGE
1907 CAMPUS DRIVE
BOISE, IDAHO 83707

Once a Student has an application filed, he will automatically be considered for all available scholarships for which he is eligible. It is not necessary to apply for a specific scholarship.

Last date for filing is March 1 for Fall Semester applicants; November 1 for Spring Semester applicants.

Educational Opportunity Grants Program:

Educational Opportunity Grants (EOG) are awarded to high school graduates with exceptional financial need. The amount of financial assistance a student may receive is determined by the criteria established in the Educational Opportunity Grant Program. These criteria basically take into account the gross income of the student's parents and the number of children dependent upon this income in relation to the cost of attending the College. The student must also demonstrate academic or creative promise. Students who apply for financial aid are automatically given consideration for extension of an Educational Opportunity Grant.

Law Enforcement Education Program:

The Law Enforcement Education Program authorized in the Omnibus Crime Control and Safe Streets Act of 1968 provides funds for student aid, first priority given to grants to officers of publicly funded law enforcement agencies. Loans are also made to police or correctional personnel of States or units of local government.

Grants: The Law Enforcement Student Grant Program makes available payments for tuition and fees not exceeding \$200 per semester for full-time or part-time enrollment in an undergraduate or graduate program leading to a degree or certificate in an area related to law enforcement.

Beneficiaries must be full-time employees of a publicly funded law enforcement agency and must agree to remain in the service of the employed agency for a period of two years following completion of any course of study funded by a grant. Failure to honor this commitment obligates the grant recipient to repay the full amount of grant funds awarded. The Veterans Administration has ruled that LEEP grant recipients are ineligible to receive VA benefits concurrently, but may be considered for loans.

Nursing Scholarships:

The purpose of the Nursing Scholarship is to encourage and enable exceptionally needy high school graduates and college undergraduate students, who otherwise would be unable to continue their education, to pursue their studies at institutions of higher education in the registered nursing field.

Eligibility:

Academically, a student is eligible if he has been accepted for enrollment as a full-time undergraduate student, or is in good standing and in full-time attendance as an undergraduate student. Eligibility for a nursing scholarship is limited to the student of "exceptional financial need." This is the student from a family which is able to contribute less than \$600 per year toward the expenses of the post secondary education. The expected family contribution is determined by an examination of the information presented in the FFS or PCS. Students meeting qualification requirements may be awarded a grant ranging from \$200 to \$1000 per year. Eligibility is restricted to the first four years of undergraduate study.

Limitations:

The Nursing Scholarship may comprise no more than one-half of the total amount of financial aid awarded to a student. The other half of his financial assistance must be provided by the College in the form of a loan or scholarship.

C. LOANS

National Defense Student Loans

The National Defense Student Loan is available to any qualified student of Boise State College. Students who clearly need financial aid for meeting educational expenses may be eligible for loans under this program. An eligible undergraduate student may borrow a maximum of \$1,000 each academic year and to a maximum total loan of \$5,000. Interest on National Defense Student Loans is deferred until after withdrawal or graduation from the college.

Law Enforcement Educational Loans

The Law Enforcement Student Loan Program makes available ten-year low-interest bearing (7%) notes of up to \$1,800 per academic year to full-time students enrolled in undergraduate or graduate programs leading to degrees in areas directly related to law enforcement. These loans can be cancelled at the rate of 25 percentum for each year of full-time employment in a public State, local or Federal law enforcement agency.

Law enforcement officers enrolling at Boise State College will be provided with a special application form. Those seeking loans will also be required to complete the student financial aid application, be interviewed by the Head of the Criminology Department, and arrange for an appointment with the Director of Financial Aids. "Pre-service or pre-professional" students enrolled in criminology are required to follow the same procedure.

Nursing Student Loan Program

The purpose of the Nursing Student Loan Program is to increase the opportunities for the training of nurses. A student may borrow a maximum of \$1,500 per academic year.

Loans are repayable to the school over a 10-year period which begins one year after you complete the full-time course of study. Interest begins at the time the loan becomes repayable. The loan is cancellable at a rate of 10% per year for 5 years if an individual is employed full-time in the nursing field.

College Short-Term Loans

The College has several short-term loan funds available for full-time students who maintain a 2.0 grade average or better. Repayment in full must be made by the end of the semester. A \$.50 service charge is assessed. The student can be provided with part-time on-campus employment to help meet loan obligations. Those students needing a small loan should consult the Director of Financial Aids.

Federally Insured Loan Program

Federally guaranteed loans for college students were authorized by Congress in the Higher Education Act of 1965.

Loans will be made by banks, credit unions, and other lending institutions directly to students upon certification by the Director of Financial Aids. Repaying is guaranteed to the lending institution by the Federal government in the same way that an FHA mortgage is guaranteed.

The student will make no repayment on his loan until the first day of the tenth month after he completes his education. Payments shall be not less than \$30 per month. If his loan is for \$2,000 or more, he may have from five to ten years to repay. His payments may be deferred up to three years if he enters active service in one of the armed forces or the Peace Corps.

The maximum loan for an academic year for an undergraduate is \$1,500, to a total of \$7,500 in his undergraduate years. The interest rate on these loans is 7% per year.

Students may obtain application forms from their home-town lending institution for a Federally Insured Loan. *It is recommended the student call at the Financial Aids Office of the College to learn the current status of the loan program before he starts filling in the application form.*

Upon completion of the personal information portion of the application, the form should be submitted to the Financial Aids Office where the Educational Data portion will be completed and signed by the Director of Financial Aids. The form will then be returned to the student for him to submit to his own bank or other lending institution.

D. STUDENT EMPLOYMENT

College Work-Study Program

The College participates in the College Work-Study Program administered by the United States Office of Education. To be eligible for this program a student must be accepted for enrollment as a full-time student or be in good standing if currently enrolled. A student's eligibility further depends upon his need for employment to defray his college expenses with preferences given to applicants from low-income families.

Part-Time Employment

Other job opportunities are offered to students who need to work and who do not meet the financial need requirements for the College Work-Study Program. On-campus part-time work opportunities are available in the various departments, offices, and agencies of the College. A Placement Office is maintained on campus to help students secure part-time employment in private businesses, corporations, and industries in the College community. To be eligible for employment the student must meet the requirements established by the employing agency.

For further information concerning part-time off campus employment write:

Director of Placement Services
Boise State College
1907 Campus Drive
Boise, Idaho 83707

RELIGIOUS ACTIVITIES

There are ample opportunities for worship and religious development in the Capitol City and all Boise State College students are encouraged to participate. All of Boise's churches welcome students into their fellowship and provide additional programs to their regular services.

The Interfaith Council, composed of representatives from each religious organization on campus, is the official representative body of the religious groups and coordinates, promotes, and acquaints the student with the role of religion in campus life.

STUDENT ACTIVITIES**Office of the Director of Student Activities**

The Director of Student Activities is responsible to the Dean of Student Personnel Services, and assists various student committees in planning and arranging educational, social, cultural, and recreational programs for the associated students.

A master student activities calendar is maintained in both the offices of Student Activities and the Dean of Student Personnel Services, and includes all information about organizational social functions, film series, lyceum programs, intercollegiate athletics, and other campus-wide events.

Student Government

Every full-time student of Boise State College is officially a member of the "Associated Students of Boise State College" (ASBSC). This membership entitles each student to vote in all student body elections, to participate in a variety of extracurricular activities, attend all home athletic events, and to receive the student newspaper. The elected student officers of the ASBSC are the Student Body President, Vice President, Secretary, Treasurer, four class presidents, and twelve Senators from the various schools. The Dean of Student Personnel Services is the official advisor to this group.

Additional information regarding student government may be obtained from the Student Handbook.

Student Organizations

On the College campus there are a large number of student chapters of professional organizations, special interest clubs, and other extracurricular organizations. These organizations and clubs provide broad opportunities for student participation.

A full listing of all student organizations on the campus will be found in the annual Student Handbook together with names of the officers of the organizations. All of these clubs and organizations are under the general supervision of the Student Senate.

Social Fraternities and Sororities

Boise State College has a number of national social fraternities and sororities. Local chapters of Alpha Chi Omega, Alpha Omicron Pi, Alpha Xi Delta, Delta Delta Delta, and Gamma Phi Beta for women, as well as Kappa Sigma, Sigma Tau Gamma, and Tau Kappa Epsilon for men are active on campus. Membership in these fraternities and sororities is by invitation only.

Students interested in obtaining more information about them should write directly to the Office of the Dean of Men or the Office of the Dean of Women.

Student Publications

A number of student publications are printed during each school year to serve as sources of information for new students, to report the many events of interest to the campus community, and to record the year's activities. The major publications are:

The Arbiter is the official weekly newspaper of the students of Boise State College. Staff positions are open to full-time students interested in journalism, not necessarily journalism majors.

Les Bois is the college annual or yearbook, published by the associated student body. The editor is appointed each year by the student government and other positions on the staff are open to all interested full-time students.

Impulse is a cooperative effort of the students and faculty of the Division of Arts and Letters in the form of a semi-annual book of poetry, verse, short stories, and art.

Brisas, a Spanish-English magazine focusing on the socio-psycholinguistic areas of Hispanoamerica, is published by the Department of Foreign Languages with the cooperation of the Spanish Club members and departmental students and faculty.

Athletics

The College encourages athletics as a part of its educational program, with all intercollegiate sports directed and controlled by the Director of Athletics, and his staff.

Teams have been organized in football, cross-country, basketball, wrestling, skiing, baseball, track, and tennis. Intercollegiate varsity and freshman athletic events are played under the rules of the National Collegiate Athletic Association (NCAA), of which organization the College is a member. Eligibility to participate is determined by the Boise State College Athletic Board of Control.

The Department of Physical Education provides intramural sports as a recreational opportunity for all students not actively engaged in intercollegiate athletic competition.

Band, Orchestra, and Choir

Music students, as well as other interested students, are invited to participate in the Boise State College orchestra, band, A Cappella Choir, or smaller ensemble groups.

Debate

Speech tournaments entered in by the Debating Team give students interested in forensics a chance for competitive speaking. Financed primarily from the Associated Students of Boise State College budget, it is open to all students who wish to participate.

Drama

All students with the required grade point average are eligible to try-out for a large repertoire of student plays and drama productions. Students from a wide variety of major fields such as Education, Business, Psychology, etc., participate in these productions.

ELIGIBILITY FOR EXTRA-CURRICULAR ACTIVITIES

1. In order to be eligible to represent a recognized student organization and/or the College in an extracurricular or intercollegiate activity, or to be a candidate for any elected or appointed ASBSC organizational or class office, chairmanship or committee membership, a student must meet the following minimum requirements:

- a) Be currently enrolled as a regular full time student
- b) Not be suspended, expelled, or academically disqualified from the College or on academic or conduct probation.

- c) Have a cumulative grade point average of a 2.00 or better. See the ASBSC Constitution and Student Handbook for specific requirements.
- d) All candidates for extracurricular activities must be certified by the Dean of Men's office before participation or election. Eligibility certification is valid for one semester and must be renewed.

2. Exceptions

Rules 1a and 1c do not apply to students engaged in activities that are required as part of a class; students participating in intramural sports or intercollegiate athletics.

Intercollegiate Athletic Eligibility

Students participating in intercollegiate athletics must comply with the eligibility rule of the National Collegiate Athletic Association. Specific information concerning individual eligibility may be obtained from the Director of Athletics at Boise State College.

Student Conduct

Upon enrollment the student and the college enter into an agreement of mutual responsibility for maintaining orders and standards as well as preserving the educational purpose and function of that relationship. The college is obligated to advise the student of established policies and procedures whereas the student is obligated to conduct himself as a responsible member of the college and larger community.

As responsible representatives of the college, students are expected to conduct themselves in a manner which will bring credit to themselves and the College. Standards of behavior should reflect good taste, courtesy, consideration and respect for the rights of fellow students.

Being a student at Boise State College does not relieve the individual of his responsibility to society and its laws. Additional disciplinary action may be imposed on a student apprehended by a law enforcement agency or appearing in a civil court, where his conduct significantly interferes with or reflects discredit on the College's educational responsibility to all members of the college community.

Disciplinary Sanctions

Disciplinary action for misconduct on or off the campus may include one or a combination of the following:

- (1) **Admonition**—an expression from the administration, generally in the form of a verbal warning or caution, that the expected standard of conduct is not being maintained. Used principally with first time minor infractions.
- (2) **Censure**—an expression of disapproval or condemnation of a specific act against the standard of conduct — generally in writing — with a possible loss of a minor privilege.
- (3) **Conduct Probation**—generally a written warning, with or without a judicial hearing signifying that additional disregard for the standard of conduct will constitute grounds for suspension or expulsion. Usually a minimum time period is specified.
- (4) **Disqualification**—disciplinary action excluding the individual from participating in certain activities or privileges for a prescribed period of time. A loss of a privilege, i.e., relinquishing a student office.
- (5) **Suspension**—an administrative or Student Conduct Board action terminating registration, with a possible loss of academic credit, for a prescribed period of time. Re-enrollment must be requested by petition.
- (6) **Expulsion**—an administrative or Student Conduct Board action permanently terminating a student's registration at the institution. Re-admittance is possible only by action of the President of the College.

Procedural Due Process and Right of Appeal

Fair play in all situations involving serious disciplinary actions is a right of every student. This is especially true in cases where conduct probation, suspension or expulsion are imposed or where an adverse notation may be made on a permanent record. In such cases, due process will consist of:

- (1) Adequate written notice of the charges. Normally said notice is sent from the appropriate Dean's office.
- (2) The opportunity for a fair hearing by allowing the student to appear or be present to hear the evidence, its nature and source, and to offer information in his own behalf.
- (3) The right of the student to question the source of the evidence and to be heard by those in charge of the hearing.
- (4) The right of the student to appeal the decision to the next highest authority and to be advised of the procedure.

Appeals Procedure

- (1) Appeals concerning traffic violations are heard by the Director of Buildings and Grounds.
- (2) Appeals from a lower judicial body should be made to the next higher body, i.e., Judicial Council, or Student Conduct Board, through the Dean of Student Personnel Services Office. All appeals must be in writing and submitted within one week (7 days) of the decision with copies to the original and last judicial body. The appeal should include the reason and/or new information not considered by the original committee or council.
- (3) Appeals from decisions of the Student Conduct Board may be made to the President of the college through the Dean of Student Personnel Services office. The appeal must be in writing giving full details of the case and specific information or justification for the appeal within one week (7 days) of the previous decision.

HOUSING

All single students under 21 years of age who are not living at home or with relatives will be required to live in a college resident hall insofar as space is available, unless approval to live off campus is granted by the Dean of Men or the Dean of Women. Any student who reaches the age of 21 years during the semester for which he has made application to the college will be considered to be 21 years of age for housing assignment purposes.

The Boise State College Residence Hall Application Contract initiated at the beginning of the academic year is binding for the entire school year (fall and spring semesters). Thus the student who enters into a housing agreement with the college is committed to living in a college resident hall for the entire school year. Breach of contract will obligate the student for the full amount of the contract.

ALL students are required to report any change of address (temporary or permanent) to the Dean of Men or the Dean of Women prior to moving. Students living off campus or at home are subject to the same standards of conduct expected of students living in College housing or residence halls.

A. COLLEGE RESIDENCE HALLS

The college currently maintains four residence halls with accommodations for approximately 560 students. Living conditions are comfortable and conducive to successful academic progress. They also contribute to and encourage participation in the wholesome activities of college life. The women's residence halls (Driscoll, Marian, and Morrison) will accommodate approximately 260 students while the men's residence (Chaffee Hall) is designed to house 300 students.

Morrison and Driscoll Halls, located on the Boise River, are virtually identical, with forty-eight single and fifteen double rooms arranged into ten suites of from six to eight women each.

Marian Hall, an off-campus residence hall for women, accommodates over

100 students. It provides both single and double rooms, many with running water, as well as a gymnasium, kitchenettes, study lounges, and laundry facilities. Continental breakfast is served on week-ends; other meals are taken at the Student Union. Since this hall is near town, bus service is provided to and from campus.

Chaffee Hall is divided into two separate three-story units of approximately fifty men to a floor living in twenty-four double rooms, two single rooms and a Resident Advisor's room per floor. Each student room is equipped with a telephone. Both units are connected by enclosed corridors to a Central Lounge and Control Unit. Each floor of Chaffee Hall is in a sense a separate living unit with a small informal lounge, study room, kitchenette, and laundry facilities.

Laundry facilities are available in each of the residence halls. Linen (sheets, pillow, pillow cases, and bath towels) are NOT provided and the student must also furnish blankets (2), iron, and a study lamp (lamps are not needed in Chaffee Hall). All residents are required, as part of the housing contract, to take their meals in the Student Union dining room. Students in the residence halls and others who have meal tickets are expected to dress for Sunday dinners.

Applications for room reservations should be made as early as possible. Contracts for residence hall accommodations are for room and board for the ENTIRE academic year. Applications must be made on an official contract form and accompanied by a security deposit of \$25.00.

Board and Room Costs:

ROOM AND BOARD SCHEDULE (FOR TWO SEMESTERS)

Morrison, Driscoll and Marian Hall:

	Board	Room	Total
Single	\$520.00*	\$350.00	\$870.00
Double	520.00*	320.00	840.00

Chaffee Hall:

Single	520.00*	394.00	914.00
Double	520.00*	342.00	862.00

All fees, tuition and other charges subject to change without notice.

*Includes Sales Tax

Arrangements for the payment of Room and Board fees must be made IN ADVANCE with the Business Office before any room assignment can be officially confirmed. The application-contract is BINDING FOR THE ENTIRE ACADEMIC YEAR. Payment, however, may be made as follows:

CHAFFEE HALL MORRISON, DRISCOLL AND MARIAN HALL

	Single	Double	Single	Double
Two weeks after receipt of assignment	\$348.00	\$336.00	\$365.00	\$345.00
Amount due on or before November 1st	261.00	252.00	275.00	259.00
Balance due on or before March 1st	261.00	252.00	274.00	258.00
	<u>\$870.00</u>	<u>\$840.00</u>	<u>\$914.00</u>	<u>\$862.00</u>

Meal Service Calendar for the year 1970-71:

Fall Semester—August 30, 1970, through December 22, 1970. (Except Thanksgiving vacation November 26, through November 29, 1970.)

Between Semesters—December 23, 1970, through January 9, 1971. (Meal service will be suspended, and the Snack Bar will be closed.)

Spring Semester—January 10, 1971, through May 16, 1971. (Except Spring vacation March 13, 1971, through March 21, 1971.)

All residence halls are normally closed during the above listed vacations.

B. APPLICATION PROCEDURE

All inquiries and letters requesting information and application-contracts should be sent directly to:

RESIDENCE HALL SECRETARY
BOISE STATE COLLEGE
1907 College Boulevard
Boise, Idaho 83707

Applications for residence halls will be processed as soon as the following procedures have been completed.

- 1) A completed application-contract is sent to the Boise State College Business Office with
 - a. A \$25.00 Security Deposit. Check or money orders should be made out to "BOISE STATE COLLEGE." This deposit is not to be construed as a partial payment for the cost of room and board. It is held (after assignment) as a damage deposit and is refundable when the student permanently moves out of the residence hall. Security Deposits are forfeited if cancellation of a room assignment is not received prior to July 1st for the Fall semester and January 4th for the Spring semester.
 - b. Signature of parent or guardian for students under twenty-one.
- 2) After the items above are processed a tentative room assignment is made and the student notified.
- 3) This room assignment is officially confirmed after the student contacts the Business Office to pay or make arrangements for room and board fees.

ACCEPTANCE AND PROCESSING OF THE CONTRACT BY THE HOUSING SECRETARY DOES NOT CONSTITUTE APPROVAL OF ACADEMIC ADMISSION TO THE COLLEGE, AND APPLICATION FOR ADMISSION IS NOT AN APPLICATION FOR HOUSING.

C. OFF-CAMPUS STUDENT HOUSING

All unmarried students under 21 years of age must petition and obtain the written approval of the Dean of Men or the Dean of Women to live off campus. Lists of available housing are on file in these offices. The College does not inspect the accommodations; parents and students must accept full responsibility for the selection. The College recommends that students and parents make written agreements with landlords concerning the obligations and expectations of each party.

Students over 21 years of age and/or married need not obtain approval but are welcome to contact the Housing Office for assistance.

All students are required to report any change of address, both temporary and permanent, to the Dean of Men or the Dean of Women.

D. MARRIED STUDENT HOUSING

Eighty-four housing units are available for full time (10 credits or more) married students. Rates for apartments are \$60.00 to \$65.00 for one bedroom, \$70 for two bedroom and \$75.00 for three bedroom. (Charges are subject to change without notice.) Electric refrigerators and ranges are installed in each apartment. Coin-operated washing machines and dryers are located on the site. Heat, water, hot water, and trash service are furnished. Other facilities are not furnished.

ADMISSION REQUIREMENTS TO THE COLLEGE

Applicants for admission must be at least 16 years of age and must present satisfactory evidence of good moral character.

CREDENTIALS

Students applying for admission to Boise State College are required to furnish the following material:

- (1) An application for admission must be completed and submitted. A \$10 processing fee (Non-refundable) will be assessed for all new enrollees and should accompany the application.
- (2) An original transcript or transcripts of high school credits showing four completed years of school, signed by the principal, superintendent, or other authorized official. Early acceptance may be obtained at Boise State College on the basis of a six-semester high school transcript showing cumulative Grade Point Average of 2.50 (C+) or better, if other factors in matriculation are satisfactory.
- (3) Official transcripts and statements of honorable dismissal from each institution attended after high school graduation. Transcripts must be sent directly from the institution to the Director of Admissions.
- (4) Complete physical examination.
- (5) A character reference is required of all new students.
- (6) Official scores from the American College Testing Program (ACT). Tests are administered five times each year to high school seniors throughout the nation. Students who miss the regular tests will be tested during registration week for an additional \$12 fee. *Other national test scores are not utilized.*
- (7) Applicants for Vocational-Technical programs must take the General Aptitude Test Battery (G.A.T.B.) at any State Employment Security Agency. The ACT tests are not required, but recommended, for some Vocational-Technical applicants.

Application forms may be obtained upon request from the Admissions Office. High school and college records should be furnished on the transcript blanks of the institution at which the work was taken. Prompt attention to these details will avoid delay in registration.

Certificate of Admission—Applicants for admission whose credentials have been accepted will be given permission to register for the following semester. Students should plan to have all credentials submitted one month before registration to settle any questions that may arise and to receive by mail a Certificate of Admission one week before registration. Before a student may register, he must have a certificate signed by the Director of Admissions.

Students who complete matriculation after the cut off date must pick up their **PERMIT TO REGISTER** in the Director of Admissions Office.

Veterans attending under the G.I. Bill of Rights (Chapter 34) or under the War Orphans Act (Chapter 35) must, upon registration, present a Certificate of Eligibility. Those attending under Chapter 31 (Rehabilitation Program) or any other provision of Title 38 United States Code, must present an Authorization of Entrance or be charged tuition and fees. Upon presentation of this Authorization, complete refund will be made.

For information concerning the G.I. Bills contact the Veterans Administration Center first.

A. ADMISSION AS REGULAR STUDENTS

By Certificate.—Admission to the College is based upon credentials showing graduation from an accredited high school and presentation of 15 acceptable units earned from the ninth grade through the twelfth as listed below under Summary of High School Requirements. Twelve units must have been earned during the tenth, eleventh, and twelfth grades.

A "unit" represents a high school subject taught five times a week in periods of at least 36 weeks. A certificate of secondary school records should be filled out and signed by the superintendent, principal, or other official of the school in which the work was done. It should show the length of each course in weeks, the length of each recitation, and the grades of scholarship attained, including a record of all failures and conditions. All certificates

accepted toward admission to Boise State College become the property of the college, and are permanently filed among its records. They cannot be returned to the student.

Academic units shall be defined as English (composition and literature), foreign language, mathematics, social studies, and natural science.

Elective units may be taken from the academic subjects named as well as from vocational and other subjects commonly given in high schools with the following exceptions:

- (a) Spelling, penmanship, reviews, project work in conjunction with regular courses, and work which is primarily of the nature of extra curricular activities.
- (b) Less than one unit in foreign language, shorthand, typing or book-keeping.
- (c) Less than one-half unit in any subject.
- (d) More than one unit in physical education and one in ROTC or two in ROTC.

SUMMARY OF HIGH SCHOOL REQUIREMENTS

For Basic Lower Division College Curricula

Minimum requirements:

	High Schools (Units)
English	3
Elementary Algebra	1
*Plane Geometry	(1)
Social Studies	2
Laboratory Science (from grade 10, 11 or 12)	1
†Other Academic	2
Total Academic	10
Electives	5
Total Units	15

Freshmen students who have graduated from an accredited high school will be considered for admission upon receipt of the various application materials and a high school transcript showing a date of graduation and signed by a certified member of the school district. If the student under consideration is below a 1.50 accumulative high school grade point average and does poorly on the ACT Series, he would then be asked to define in writing or through a personal interview his personal goals. Students who fall in this category are encouraged to work closely with the Admissions Office and counseling Center.

A transfer student, whether resident or non-resident, should have a minimum accumulative grade point average of 2.00 from all other schools attended prior to being allowed to enter Boise State College. Borderline cases will be decided by the Admissions Committee with the exception of foreign students, who will be counseled by the Foreign Student Advisor. Transfer students must also meet additional requirements for admission to upper division. See page 28.

ADMISSION POLICY FOR HIGH SCHOOL STUDENTS

High School students may attend Boise State College classes provided that:

1. A letter of request be written by the high school principal on behalf of the student indicating that:
 - a. The student is doing above average high school work
 - b. That the college course will not interfere with the student's high school program nor be an excessive burden for the student to carry

*Not required but recommended.

†General Science is acceptable as an academic unit but not as a natural science.

- c. That the student has the expressed permission of his parents and principal to engage in the college course
 - d. That the specific course or courses desired be explicitly stated.
2. The decision concerning admission of high school students without complete credentials will be made by the Admissions Committee.

B. ADMISSION BY EQUIVALENCY CERTIFICATE

Any application that is accompanied by a High School Equivalency Certificate will be processed exactly as it would be if a high school diploma were presented. Inquiries should be addressed to the State Department of Education, State House, Boise, Idaho.

C. ADMISSION BY EXAMINATION

Applicants who have attained the age of eighteen years and who have achieved passing scores (45 or above) on all five of the General Educational Development tests will be admitted as Special Students (see below) in lieu of a high school diploma or an equivalency certificate, providing that the applicant has been away from high school for at least one year preceding his application.

D. ADMISSION AS SPECIAL STUDENT

Persons who are unable to meet requirements as regular students and desire to take special studies may be admitted on special status upon presentation of satisfactory evidence that they are qualified to do college level work.

A special student is not eligible to become a candidate for graduation until he has satisfactorily met entrance requirements or until he has completed 32 semester hours of work in the college with a grade point average of 2.5 or better.

E. ADMISSION TO VOCATIONAL-TECHNICAL COURSES

Any person who is interested in becoming a skilled craftsman or technician will be admitted to these courses if he complies with all admission requirements and meets the qualifications for the designated program. Graduation from high school is not necessary provided the student has been out of high school at least one complete semester. Certain prerequisite courses are required for various programs, such as one year of high school algebra and one year of high school geometry for entrance to the Drafting or Electronics Technology programs. The College does not admit applicants under eighteen years of age who are attending high school at the time of application. In rare instances, however, a high school student may be admitted provided his high school principal requests his admission. Students in the Vocational-Technical program who plan to enter certain extra-curricular activities must meet regular entrance requirements. (See eligibility requirements.) *Credits in Vocational or Technical programs are not transferable toward an academic degree.*

F. ADMISSION WITH ADVANCED STANDING

Students entering from other colleges must present proof of honorable dismissal and official transcripts mailed directly to the Director of Admissions. Students entering from other institutions must comply with the same scholarship regulations as are applied to students previously enrolled in the college. After registration students are classified as Freshmen, Sophomores, Juniors, Seniors and part-time.

In accordance with Idaho statutes as approved by the State Board of Education, the acceptance of credits from Junior Colleges is uniform for both certification and transfer purposes and no more than 64 semester hours or $\frac{1}{2}$ the total hour requirement of the specific curriculum is established as the uniform maximum limit effective September 1, 1950.

G. ADMISSION WITH DEFICIENCIES IN GROUP REQUIREMENTS

Students who qualify for admission to the College but who fail to meet specific group requirements may be admitted with deficiencies to take courses

for which they are prepared. All such deficiencies must be removed before graduation. Students entering with deficiencies will remove them by taking college courses, generally without college credit, or by taking work in a secondary school while taking part-time work at the college. College courses cannot be substituted for high school algebra and geometry. When college courses are taken to make up deficiencies, the time spent in such classes shall count twice as much toward making up deficiencies as does an equal amount of time spent in high school.

H. CHALLENGING COURSES—GRANTING CREDIT BY EXAMINATION

It is possible for a student to challenge a college course when he feels that because of his past background, education, and experience he can pass an examination covering the subject material of a course. Requests for consideration are made through the Office of the Dean of the School in which the course is offered.

ADMISSION REQUIREMENTS TO UPPER DIVISION

A. JUNIOR STANDING

A student must have earned 57 acceptable semester credit hours of college-level work before he is classified a junior.

B. UPPER DIVISION COURSES

Upper Division courses are open to a student who:

1. Has completed stated course prerequisites and
2. Is not on academic probation and
3. Has completed 57 semester credits of college work.

A Lower Division student who has a G.P.A. of 2.0 or better may take Upper Division courses if:

1. The Upper Division course is required during the Sophomore year in a specific curriculum in which the student is majoring, or
2. The student has the written permission of the Dean of the School in which the course is offered.

C. FORMER STUDENTS

Former students who have not attended any other accredited higher education institution since leaving and who wish to enter as junior must:

1. Have earned 57 semester credit hours of college-level work;
2. Have a Grade Point Average of 2.0 or better;
3. Have completed the College's Application for Admission Form;
4. Have physical examination completed and reported on the College's Physical Examination Form if the last physical examination on file at the College is more than five years old.

D. TRANSFER STUDENTS

Transfer students from other colleges and universities who wish to enter as juniors must:

1. Have earned 57 semester credit hours of college-level work from an accredited college or university;
2. Have a Grade Point Average of 2.0 or better;
3. Have completed the College's Application for Admission Form;
4. Have transcripts from all other accredited higher education institutions previously attended sent directly to the Registrar from the school officials responsible;
5. Have physical examination completed and reported on the College's Physical Examination Form;
6. Have character references on forms provided by the college, completed and sent to the admissions office;
7. Not be under disqualification at another college or university.

E. ACCEPTANCE INTO PROGRAM

A student must declare his major upon entering the upper division. The Registrar will evaluate the student's transcripts for acceptance into the College. The student will be sent to an advisor for assistance in formulating a program to fulfill all requirements for his declared major. The student is ultimately responsible for the selection of courses for his major and the degree.

F. CERTIFICATE OF ADMISSION

Applicants for admission whose credentials have been accepted will be given permission to register for the following semester. Students should plan to have all credentials submitted one month before registration to settle any questions that may arise and to receive by mail a Certificate of Admission one week before registration. Before a student may register, he must have a permit signed by the Director of Admissions. The \$10.00 application fee must be sent before application material will be processed.

REGULATIONS

A. GRADING SYSTEM

- A. Distinguished work—Four quality points per hour.
- B. Superior work—Three quality points per hour.
- C. Average work—Two quality points per hour.
- D. Passing work—One quality point per hour.
- F. Failure. No quality points per hour.
- Inc. Incomplete may be given in cases where work has been satisfactory up to the last three weeks in the semester. Work not made up within the first half of the semester after the student returns to college automatically becomes a failure unless special extension of time is granted by the instructor and Dean of the School. If an incomplete has been awarded and the student returns after a two years' lapse the automatic F rule does not apply. He may elect to remove the incomplete, re-enroll in the course or allow the incomplete to remain on the record. Incompletes not made up within four years automatically become W's and make-up privileges are forfeited.
- W. Official withdrawal indicating passing work. For procedure, see regulations below.

A student who receives a grade below C in a given course may repeat that course in residence to raise his grade, if in the meantime he has not taken an advanced course for which the first course is a prerequisite. If a course is repeated the first grade remains upon the record, but the last grade only is counted in computing the student's grade points.

Grade point average (G.P.A.) is computed by dividing the total number of quality points earned by the total number of semester hours carried.

B. CLASSIFICATION OF STUDENTS

After registration students are classified as Freshmen, Sophomores, Juniors, Seniors and part-time.

Freshman—From 0 semester credits through 25.

Sophomore—From 26 semester credits through 57.

Junior—From 58 semester credits through 89.

Senior—90 semester credits and over.

Students enrolled and classified during the first semester are not re-classified at the beginning of the second semester.

A student enrolled for 10 semester hours or more will be considered a full-time student.

A student who is carrying less than 10 credits but has met entrance requirements for regular students will be classified as a part-time student.

C. ATTENDANCE AND ABSENCE FROM CLASS

Students are responsible for their attendance in the courses for which they are enrolled. No absences, whether approved by the college for participation in college-sponsored activities, or necessitated by sickness or other

personal emergency, are "excused" in the sense of relieving the student of responsibility for work assigned or carried on by a class during his absence. It is his responsibility to arrange with his instructors to make up work which he is forced to miss.

A student who has been absent from a meeting of a class has lost some of the content of the course, regardless of the cause of the absence. If any student accumulates absences to the extent that further participation in the class seems to be of little value to him and detrimental to the best interests of the class, the instructor shall warn such student that further absence may cause him to fail the course.

D. ACADEMIC PROBATION AND DISMISSAL

A student whose work is of such a character that it appears he cannot continue in the college with profit to himself and credit to the institution may be placed on probation and, subsequently, disqualified. In general, satisfactory performance means orderly progress toward graduation requirements with a cumulative grade point average of 2.0 or better.

Any student whose grade point average is 1.5 or lower following his first semester in college will be placed on probation. A student placed on probation for the second consecutive semester may, after a review of his record, be disqualified and dropped from the college.

A student may be denied permission to re-register in the college if, after at least two semesters, his cumulative grade-point average is twelve points below a grade-point average of 2.0. This calculation is made by multiplying by two the total credit hours in which he has been enrolled and subtracting twelve. If the answer so obtained is not exceeded by the student's total quality points, he will be subject to this regulation. Permission to re-enter may be denied.

A student disqualified for the first time for either of the above reasons may be permitted to re-register by one of the following methods:

1. Permitting a semester to elapse before applying for re-registration.
2. The student must obtain an official Application for Reinstatement form from the Dean of the School under which his major falls. If a student desires special consideration for the Fall Semester, his application must be on file no later than August 18, and no later than January 12 for consideration for the Spring Semester. In very special cases, a student who is disqualified as a result of his Fall Semester performance may have until noon of the first day of the following Spring Semester registration to file an Application for Reinstatement form, if his faculty advisor files a written petition on behalf of the student.

In the case of second or successive disqualifications, a student must follow item 2 above to secure reinstatement.

In either of the above instances, the student will re-register on probationary status.

A student may be dropped from the college rolls at any time his character and conduct are found to be generally unsatisfactory.

The President reserves the right to handle special cases involving probation or dismissal.

Students on probation shall take minimum loads and are not eligible to represent the College in any extra-curricular activities. Students on probation during the second semester shall take a lighter load than formerly and should try other courses as a means of determining their aptitudes.

E. ADMISSION ON PROBATION

Transfer students from other colleges and universities who have failed to clear the probationary provisions outlined above may, upon petition, be granted permission to enroll on probation by the Admissions Committee.

F. WITHDRAWAL

Withdrawal from Individual Courses. A student may withdraw from individual courses by securing a permit from his advisor, which must be endorsed by the advisor and each instructor involved, then presented to the Registrar for signature, and then cleared with the Business Office. The date on which the Registrar signs the permit will be the official withdrawal date.

Complete Withdrawal from College. A student may officially withdraw from college (all courses) *only by securing a withdrawal permit from the Dean of Men or Dean of Women*, and having it signed by same. The Dean will advise the student of the offices he must clear with before presenting the complete withdrawal to the Registrar's office. After clearance with the Registrar the student is sent to the Business Office for final clearance.

Withdrawal Grades. If the student withdraws after the end of mid-semester examinations (specific date in the calendar) he may receive a grade of "W" only if his work is passing as of the official withdrawal date; otherwise, a grade of "F" must be awarded. During the last three weeks of the course (including final examination week) a student may not withdraw from individual courses or college totally with the grade(s) of "W". In cases where a strict application of this regulation seems—in the opinion of an instructor, or advisor, or a student—to work an unreasonable hardship, the matter will be presented to the Dean of Student Personnel Services. A student who discontinues a course without having completed an official withdrawal shall be awarded a grade of "F".

G. MAXIMUM LOAD

No student shall be allowed to enroll for more than 17 hours without special permission, unless more hours are specified in his curriculum.

H. COURSE PREREQUISITE WAIVER

Specific course prerequisites may be waived upon written approval of the Dean of the School in whose area the course is offered.

A student seeking to have prerequisites waived must justify his request on the basis of background, education, and experience to the satisfaction of the Dean of the School.

Upper division students are equally bound by all rules, regulations, and policies that apply to the other college students regarding petitions, challenging courses, grading system, eligibility for extracurricular activities, attendance and absence from class, academic probation and dismissal, admission on probation, withdrawal from courses or college, and maximum loads.

PETITIONS

Individuals or groups of students always have the privilege of petition. Academic petitions should be addressed to the Dean of the appropriate school. Other petitions should be directed to the appropriate administrative officer.

BOISE STATE COLLEGE GRADUATION REQUIREMENTS

A student must make formal application for graduation by filing with the Registrar the application form which is obtained at the Registrar's Office. Normally this application should be submitted during the next to the last semester before the contemplated graduation. Graduation fees are listed on page 9 of the catalog.

Requirements for graduation are checked in accordance with the requirements in one college catalog. A student is not permitted to combine programs from different catalogs, but he may choose to graduate on the basis of the catalog of any year in which he has been registered providing that said catalog was in effect not more than 6 years prior to the year of graduation.

GENERAL COLLEGE REQUIREMENTS

To receive a Baccalaureate degree from Boise State College all students must meet the following general requirements:

A) Physical Education

Two semesters of physical education activities are required. Exemptions will be made for veterans who are cleared by the Registrar to receive Basic Training credits, for those presenting to the Registrar a waiver signed by the Boise State College physician (waiver must be secured by the student during the semester covered by the waiver). Further exemptions will be made for married women 21 years of age or older.

B) English Composition

English Composition, E 101 and E 102, must be successfully completed by all students with the following exceptions:

a. Students scoring in the 80th percentile or above on the ACT national norms are exempt from E 101.

b. Any student, with the recommendation and permission of the English Department may take the departmentally specified competency test and upon passing it be exempt from E 101.

All entering freshmen scoring below the 20th percentile on the ACT national norms are required to take Remedial English (E 010) and to pass with an S grade before being admitted to E 101.

BACCALAUREATE DEGREES MINIMUM GRADUATION REQUIREMENTS FOR ALL BACCALAUREATE DEGREES

I. General College Requirements (minimum)

A. Total credit hours	128
Must include:	
1. Physical Education	2
2. English Composition	3-6
3. Upper Division credit hours	40
B. Grade Point Average for all courses taken	2.0

II. Other College Requirements

A. Minimum requirements for one of the degrees offered.

B. Specific requirements for a departmental major.

C. A minimum of 15 credit hours of electives outside of the major field.

III. Minimum Credit Hours in Residence

Minimum credit hours in residence: 30 credit hours of which the last 15 credit hours prior to graduation must be taken at the College during the regular or summer sessions.

IV. Extension, Correspondence and Religion Courses

Total hours of extension or correspondence courses that may be allowed; not more than 24 credit hours of which not more than 12 credits may be in correspondence study. Permission to take correspondence courses while in residence at Boise State College must be received in advance by filing an application for such courses with the Dean of the appropriate school.

Such correspondence courses must be completed and the transcript filed with the registrar prior to mid-term of the semester in which the last 15 hours of residence credit are started.

Up to eight (8) credits of non-sectarian religion courses from accredited colleges and universities may be accepted as general electives.

V. Second Baccalaureate Degree

To obtain a second Baccalaureate degree, the student must complete an additional 30 semester hours of residence work, meet all of the requirements of the particular degree, achieve at least a 2.0 grade point average in all work, and receive approval of the Dean of the School in which the degree is to be granted.

BACHELOR OF ARTS DEGREE

Minimum Requirements (Credits)

A. General College Requirements	5-8
1. Physical Education	2
2. English Composition	3-6
B. Area I Requirements	12
1. Literature	6
2. Other Courses	6
a. Introduction to Humanities sequence, or	
b. Two of the following:	
Introduction to Music*	
Introduction to Art	
Introduction to Drama	
C. Area II Requirements	12
1. Lower Division History Sequence	6
2. Other courses	6
Not fewer than 6 credits chosen from:	
Political Science	
Sociology	
Anthropology	
Psychology	
Economics	
Geography	
D. Area III Requirements	12
1. A years sequence chosen from	
Biological Science	
Mathematics	
Physical Science	
with additional credits from a field other than	
that used to satisfy the sequence requirement.	
or: 2. Any three of the following courses	
Concepts of Biology, B-103	
Foundations of Physical Science, PS-110	
Fundamentals of Geology, GO-100	
Fundamental Concepts of Math, M-105	
E. Additional Requirements in one of the following options:	
Option A	3-11
a. Foreign Language	0-8
A year's sequence of a Foreign Language or equivalent.	
b. Introduction to Philosophy or Ethics	3
Option B	12
a. Two semesters in a single Area II field other than History.	
b. Additional hours in Area II fields, to include at	
least one course in a third field.	

*Music majors will substitute Music Literature for Introduction to Music.

- Option C 12
- a. Foreign Language 0-8
A year's sequence of a Foreign Language or equivalent.
- b. Additional hours in Area II fields.
- F. Departmental Major.
- G. Individual departmental major listings in other parts of the catalog may specify how Area I, II and III requirements are to be fulfilled.
- H. In addition to the above Degree requirements, a minimum of 15 credit hours is required for graduation in electives outside the major field.

BACHELOR OF SCIENCE DEGREE

Minimum Requirements (Credits)

- A. General College Requirements 5-8
1. Physical Education 2
2. English Composition 3-6
- B. Area I Requirements 12
1. Literature 6
2. Other Courses 6
- Not fewer than 6 credits chosen from:
- a. Introduction to Humanities sequence, or
- b. Two of the following:
- Introduction to Music
- Introduction to Art
- Introduction to Drama
- Introduction to Philosophy or Ethics
- C. Area II Requirements 12
1. Lower Division History Sequence 6
2. Other Courses 6
- Not fewer than 6 credits chosen from:
- Political Science
- Sociology
- Anthropology
- Psychology
- Economics
- Geography
- D. Area III Requirements 12
1. A years sequence chosen from:
- Biological Science
- Mathematics
- Physical Science
- with additional credits from a field other than that used to satisfy the sequence requirement.
- or: 2. Any three of the following courses
- Concepts of Biology, B-103
- Foundations of Physical Science, PS-110
- Fundamentals of Geology, GO-100
- Fundamental Concepts of Math, M-105

- E. Additional Requirements in one of the following options:
- Option A 12
Credits from Area III including a sequence.*
- Option B 12
a. A year's sequence of a Foreign Language or equivalent
b. Additional hours from Area III
- F. Departmental Major
- G. Individual departmental major listings in other parts of the catalog may specify how Area I, II and III requirements are to be fulfilled.
- H. In addition to the above Degree requirements, a minimum of 15 credit hours is required for graduation in electives outside of the major field.

BACHELOR OF BUSINESS ADMINISTRATION DEGREE

Minimum Requirements (Credits)

- A. General College Requirements 5-8
1. Physical Education 2
2. English Composition 3-6
- B. Area I Requirements 9
1. Literature 6
2. Other courses 3
- Not fewer than 3 credits selected from:
- Introduction to Music
- Introduction to Art
- Introduction to Drama
- Introduction to Humanities
- Introduction to Philosophy or Ethics
- C. Area II Requirements 12
1. Lower Division History 3
2. Psychology 3
3. Not fewer than 6 credits selected from 6
- Political Science
- Sociology
- Anthropology
- Economics
- Geography
- D. Area III Requirements 8
- A year's sequence in mathematics
- E. Individual departmental major listings in other parts of the catalog may specify how Area I, II and III requirements are to be fulfilled.
- F. A major in Accounting, Aviation Management, Business Education, Industrial Business, Marketing or Office Administration, meeting all specific requirements for the major (see pages 119 to 124).
- G. In addition to the above Degree requirements, a minimum of 15 credit hours is required for graduation in electives outside of the major field.

*Kinesiology and Physiology of Exercise may be accepted as a sequence as a part of the Area III requirement for Physical Education Majors.

BACHELOR OF MUSIC DEGREE**Minimum Requirements (Credits)**

- A. General College Requirements 5-8
1. Physical Education 2
 2. English Composition 3-6
- B. Area I Requirements 9
1. Literature 6
 2. Other courses 3
- No fewer than 3 credits selected from:
- Music Literature or Music History
Introduction to Art
Introduction to Drama
Introduction to Humanities
Introduction to Philosophy or Ethics
- C. Area II Requirements 9
1. Lower Division History 3
 2. Other courses 3
- No fewer than 3 credits selected from:
- Political Science
Sociology
Anthropology
Psychology
Economics
Geography
3. No fewer than 3 credits selected from the areas listed in C.1. and C.2. above 3
- D. Area III Requirements 8
1. Music Education Majors with Instrumental emphasis will take a year's sequence from the following:
 - Biological Science
 - Mathematics
 - Physical Science
 2. All others will take a year's sequence of a Foreign Language.
- E. Individual departmental major listings in other parts of the catalog may specify how Area I, II and III requirements are to be fulfilled.
- F. A major in Music.
- G. In addition to the above Degree requirements, a minimum of 15 credit hours is required for graduation in electives outside of the major field.

BACHELOR OF FINE ARTS DEGREE***Minimum Requirements (Credits)**

- A. General College Requirements 5-8
1. Physical Education 2
 2. English Composition 3-6
- B. Area I Requirements 9
1. Literature 6
 2. Other courses 3
- No fewer than 3 credits selected from:
- Introduction to Music
Introduction to Drama
Introduction to Humanities
Introduction to Philosophy or Ethics

*A candidate for the BFA degree must have Art Department approval during his Junior year.

- C. Area II Requirements 9
1. Lower Division History 3
 2. Other courses 3
- No fewer than 3 credits selected from:
- Political Science
 - Sociology
 - Anthropology
 - Psychology
 - Economics
 - Geography
3. No fewer than 3 additional credits selected from areas C.1. and C.2. above 3
- D. Area III Requirements 8
- A year's sequence chosen from the following:
- Biological Science
 - Mathematics
 - Physical Science
- E. Individual departmental major listings in other parts of the catalog may specify how Area I, II and III requirements are to be fulfilled.
- F. A major in Art.
- G. In addition to the above Degree requirements, a minimum of 15 credit hours is required for graduation in electives outside of the major field.

BACCALAUREATE DEGREE PROGRAMS

Boise State College offers Baccalaureate Degree Programs in the following majors:

ACCOUNTING
 ADVERTISING DESIGN
 ART
 ART, SECONDARY EDUCATION OPTION
 BIOLOGY
 BIOLOGY, SECONDARY EDUCATION OPTION
 BUSINESS EDUCATION
 GENERAL BUSINESS
 INDUSTRIAL BUSINESS
 OFFICE ADMINISTRATION
 CHEMISTRY
 CHEMISTRY, SECONDARY EDUCATION OPTION
 CRIMINOLOGY
 DRAMA
 DRAMA, SECONDARY EDUCATION OPTION
 EARTH SCIENCE
 EARTH SCIENCE, SECONDARY EDUCATION OPTION
 ELEMENTARY EDUCATION
 ENGLISH
 ENGLISH, SECONDARY EDUCATION OPTION
 ENVIRONMENTAL HEALTH
 HISTORY
 HISTORY, SECONDARY EDUCATION OPTION

MARKETING
 MATHEMATICS
 MATHEMATICS, SECONDARY EDUCATION OPTION
 MEDICAL-TECHNOLOGY
 MUSIC
 MUSIC, SECONDARY EDUCATION OPTION
 PHYSICAL EDUCATION, SECONDARY EDUCATION OPTION
 PRE-MEDICAL STUDIES
 PSYCHOLOGY
 PUBLIC ADMINISTRATION
 SOCIAL SCIENCE
 SOCIAL SCIENCE, SECONDARY EDUCATION OPTION
 SOCIAL WORK
 SPANISH
 SPEECH
 SPEECH, SECONDARY EDUCATION OPTION

OTHER DEGREES

Boise State College grants Associate of Science, Associate of Applied Science Degrees, Diplomas, and Certificates of Completion to students completing programs whose specific course requirements are stated in other sections of the catalog. Those courses currently offered are listed as follows:

Associate of Science

Medical Record Technician
 Radiologic Technology
 Physical Therapy Assistant
 Nursing
 Fashion Merchandising-Mid-Management
 Secretarial Science
 Marketing—Mid-Management
 Criminology
 Medical Secretary

Associate of Applied Science

Drafting Technology
 Electronics Technology

Diploma

A diploma will be granted upon successful completion of the following programs which prepare a student for a trade:

Auto Body
 Auto Mechanics
 Computer Programming
 Dental Assisting
 Horticulture
 Machine Shop
 Office Machine Repair
 Practical Nursing
 Welding

Certificate of Completion

A certificate of completion is granted for completion of other authorized programs, such as seminars, workshops, special interest community courses, etc.

COURSE NUMBERING SYSTEM CODE

The course numbering system code uses one or two letters to indicate courses within specific areas of interest. In many cases the letters used will suggest the courses indicated but should not be considered abbreviations. Areas of interest are grouped by School, Division and Department following the organizational pattern of the remainder of the catalog.

I. School of Arts and Sciences**Division of Arts and Letters****Department of Art**

AR Art

Department of English

E English

HU Humanities

LI Linguistics

Department of Foreign Languages

F French

G German

S Spanish

Department of History

HY History

Department of Music

MA Music, Applied

MU Music, General

Department of Social Sciences

AN Anthropology

GG Geography

PY Philosophy

PO Political Science

SO Sociology

SW Social Work

Department of Speech

SP Speech

J Journalism

Department of Theatre Arts

DR Drama

Division of Science and Health**Department of Biology**

B Biology

BT Botany

FS Forestry

Z Zoology

Department of Chemistry

C Chemistry

Department of Earth Science

GO Geology

Department of Home**Economics**

HE Home Economics

Department of Mathematics

M Mathematics

Department of Physics, Engineering and Physical Science

EN Engineering

PS Physical Science

PH Physics

Department of Nursing and**Health Services**

EH Environmental Health

MR Medical Records Technology

MT Medical Technology

RT Rehabilitation Therapy

RN Registered Nursing

II. School of Business and Public Administration**Department of Accounting and Data Processing**

AC Accounting

DP Data Processing

Department of Business Education and Office Administration

BE Business Education

OA Office Administration

Department of Economics and Public Administration

CR Criminology

EC Economics

PA Public Administration

Department of General Business

AV Aviation Management

FI Finance

GB General Business

MG Management

MK Marketing, General

MM Marketing, Mid-Management

III. School of Education**Department of Health, Physical Education and Recreation**

PE Physical Education

Department of Psychology

P Psychology

Department of Teacher Education and Library Science

LS Library Science

TE Teacher Education

IV. School of Vocational-Technical Education**Vocational two-year Programs**

HO Horticulture Service

Technician

OM Office Machine Repair

W Welding

Technical two-year Programs

DT Drafting Technology

ET Electronics

Vocational one-year Programs

AB Auto Body

AM Auto Mechanics

CP Computer Programmer Trainee

DA Dental Assistant

MS Machine Shop

PN Practical Nursing

W Basic Welding

Courses within the major code groups are assigned on the basis of the following:

- 000-099 Non-credit courses (including remedial, evening vocational, and adult education courses).
- 100-199 Freshman level courses
- 200-299 Sophomore level courses
- 300-499 Upper division level courses

Throughout the catalog where course descriptions are given a hyphen between course numbers indicates that the first numbered course is a pre-requisite to the second numbered course; a comma between course numbers indicates that either course may be taken independently of the other.

COLLEGE-WIDE COURSE NUMBERING POLICY

The following college--wide courses with standardized numbers and titles are available to each department offering a major.

- 188 Honors Independent Study 1-3 credits Each semester

An independent study experience to provide an Honor Student study opportunities of a reading or project nature. Credits may not exceed three (3) per semester nor six (6) maximum in an academic year. Prerequisite: Approval of the Dean and Department Chairman upon recommendation of the faculty advisor.

- 294-494 Conference or Workshop 0-4 credits.

Conducted by outstanding leaders or qualified faculty in a particular field under the auspices of Boise State College.

- 496 Independent Study 1-4 credits.

Individual study of either a reading or project nature. Offered on demand. Student must make application well in advance of this special study experience. May be repeated for a maximum of 9 credits; 6 credits in any one academic year. Prerequisite: consent of instructor and department chairman.

- 497 Special Topics 2-4 credits.

May be repeated for a maximum of 12 credits. Prerequisite: advanced standing and consent of instructor and department chairman.

- 498 & 499 Senior Seminar 1-2 credits maximum.

Prerequisite: senior standing in a major area.

HONORS SEMINAR

- HP 195 Honors Seminar—1 credit Each semester

A seminar involving inter-disciplinary lectures and discussion for Honors Students. Topics are selected by the students.

PART III

School of Arts & Sciences

DEAN: JOSEPH P. SPULNIK, Ph.D.

Division of Arts & Letters

Chairman: Wm. E. Shankweiler, Ph.D.

DEPARTMENTS AND FACULTY
OBJECTIVES
PROGRAM OFFERINGS
CREATIVE WRITING, PUBLICATION
ACTIVITIES
DEGREE PROGRAMS
COURSE OFFERINGS

Division of Science & Health

Chairman: Donald J. Obee, Ph.D.

DEPARTMENTS AND FACULTY
OBJECTIVES
DEPARTMENT OFFERINGS
BIOLOGY AND HOME ECONOMICS
CHEMISTRY AND EARTH SCIENCE
MATHEMATICS
PHYSICS ENGINEERING AND PHYSICAL SCIENCE
HEALTH SERVICE
NURSING
COURSE OFFERINGS

DIVISION OF ARTS AND LETTERS
CHAIRMAN: WILLIAM E. SHANKWEILER, Ph.D.

Departments and Faculty

DEPARTMENT OF ART: L. Peck, Chairman

Professors:

Associate Professor: L. Peck

Assistant Professors: D. Oravez, J. Takehara, H. Huff

Instructors: A. Skov, A. Kober, J. Russell, T. Watia

DEPARTMENT OF ENGLISH: J. R. Schwartz, Interim Chairman

Professors: J. R. Schwartz, W. Chatterton

Associate Professors: E. Wallace, J. Woodworth, J. Beckwith

Assistant Professors: A. Crooks, G. Selander, E. Runft, M. Peek, D. Boyer,
M. Cocotis, T. Wilbanks

Instructors: S. McGuire, T. Thompson, C. Schow, R. Nickerson,
O. Burmaster, L. Weitman, A. Burns, M. Hansen, L. McCracken

DEPARTMENT OF HISTORY: Dr. H. Lovin, Chairman

Professors: J. Caylor, H. Lovin

Associate Professors: C. Gould, G. Barrett, P. Ourada

Assistant Professors: J. Seward, P. Armstrong, R. Sylvester, W. Vinz

Instructors: W. Babcock, W. Tozer

DEPARTMENT OF FOREIGN LANGUAGES: Dr. L. Valverde, Chairman

Associate Professors: R. deNeufville, L. Valverde

Instructor: K. Rodriguez

Lab Supervisor: J. Longteig

DEPARTMENT OF MUSIC: Mr. W. Elliott, Acting Chairman;

Mr. D. Oakes, Associate Chairman

Professor: C. G. Bratt (Composer-in-residence)

Associate Professors: J. Best, C. Meyer, W. Elliott

Assistant Professors: G. Standing, M. Shelton, A. Marshall, D. Oakes

DEPARTMENT OF SOCIAL SCIENCES: Dr. D. Wilson, Chairman

Professors:

Associate Professors: D. Wilson, C. Gould, W. Fung

Assistant Professors: A. Peterson, I. Wilcox, P. Dorman, M. Scheffer, F.
Guzie

Instructors: R. Corbin, V. Cox

DEPARTMENT OF SPEECH: Mr. H. Pitman, Acting Chairman

Professor: W. Shankweiler

Associate Professor: J. Warwick

Assistant Professors: H. Pitman, D. Rayborn

Instructor: P. Robertus

DEPARTMENT OF THEATRE ARTS: Mr. D. Corbett, Acting Chairman

Assistant Professors: D. Corbett, J. Smead

Instructor: R. Krempetz

DIVISION OF ARTS AND LETTERS

Philosophy and Objectives

The Division believes that the purpose of men's lives is to know, to search, and to achieve, and that knowledge is the indispensable condition of the good life of free men. It provides, therefore, an opportunity for each student to share in the accumulated experience of men of all times and places and thus become more fully able to share the inherited wisdom and satisfactions of man. The Division not only hopes to lead each student to an interest in and basic knowledge of the matter traditional to its major divisions of study, but also to stimulate students to exercise their creative powers to range beyond the known: to dream a better possible human condition and devise ways of moving toward it. To this end we hope to encourage our students to be curious and wisely skeptical, learning that inquiry and intelligent doubt are often the first steps toward creation and achievement.

The Division, finally, hopes that each student will achieve a fuller understanding of the nature and potential of his own humanity through which he can know and respond to the humanity of others.

PROGRAM OFFERINGS

The Division of Arts and Letters offers programs leading to the degrees of:
Bachelor of Arts: Art, General; Art Education; Advertising Design; English; English, Secondary Education; History; History, Secondary Education; Music, Applied; Music Theory and Composition; Social Science; Social Science, Secondary Education; Social Work; Spanish; Speech-Drama; Speech-Drama, Secondary Education

Bachelor of Science: (History, Secondary Education majors may, under certain circumstances, elect this degree.)

Bachelor of Fine Arts: Art, General; Art Education; Advertising Design

Bachelor of Music: Music, Applied; Music Education; Music Theory and Composition

Within certain majors, students may elect various areas of emphasis. The student should work closely with his advisor in deciding which area of emphasis is right for him.

CREATIVE WRITING PUBLICATION

Within the school, the Department of English offers a chance for students to improve their creative, literary skills by studying under producing authors in classes aimed to increase the student's abilities, both critical and creative. Each year the school publishes *IMPULSE*, a magazine designed to display the best efforts of both the faculty and student body of Boise State College, as a joint effort of the Department of Art and English.

BRISAS, a Spanish-English magazine focusing on the socio-psycholinguistic areas of Hispanoamerica, and published by the Department of Foreign Languages with the cooperation of the Spanish Club members and departmental students and faculty.

ACTIVITIES

Membership in the various groups and organizations engaged in extra-curricular activities is available to all students who qualify. These groups offer opportunities for growth and participation beyond curricular requirements. Students may participate in art exhibits in the Liberal Arts Building, Library, and Student Union gallery areas; extensive intramural and inter-collegiate offerings of the Department of Communication Arts including Debate, Radio Broadcasting, Reader's Theatre, and productions of plays from both the classical and modern repertoires in the college's unique Subal theatre; and through the medium of student recitals, organizations, and ensembles of the Department of Music including Band, Orchestra, Choir, and Musical Theatre and Opera. In addition, each year students from the Department of Social Sciences participate in the Model United Nations Seminar held, usually, in San Francisco. Students may also join in an "American Heritage Tour" presented by the college each summer.

DEGREE PROGRAMS

REQUIREMENTS FOR ART MAJOR

Bachelor of Arts Degree

General Art, Art Education, Advertising Design

I. General Art-Bachelor of Arts Program

1. General College and Basic Core Requirements	47-55
2. Art Major Requirements	45-45
Painting	14
Drawing	8
Design	4
Art History	4
Ceramics or Sculpture	6
Printmaking	3
Crafts	2
Lettering	2
Senior Seminar	2
3. Electives	36-28
	<hr/> 128-128

II. Art Education-Bachelor of Arts Program

1. General College and Basic Core Requirements	47-55
2. Art Major Requirements	45-45
Painting	14
Watercolor	2
Drawing	6
Design	4
Art History	4
Ceramics or Sculpture	6
Printmaking	3
Crafts	2
Lettering	2
Senior Seminar	2
3. Education Requirements for State Certification	20-20
Audio-Visual Aids	2
Foundations of Education	3
Secondary School Methods	3
Educational Psychology	3
Art Methods in the Secondary Schools	3
Secondary Student Teaching	6
4. Electives	16-8

III. Advertising Design—Bachelor of Arts Program

1. General College and Basic Core Requirements	47-55
2. Art Major Requirements	45-45
Advertising Design	10
Painting	8
Drawing	6
Watercolor	4
Design	4
Lettering and Layout	4
Art History	4
Printmaking	3
Creative Photography	2
3. Electives	36-28
	<hr/> 128-128

I. General Art—Bachelor of Fine Arts Degree—Drawing & Painting Emphasis	
1. General College and Core Requirements	34
2. Art Major Requirements	65
Painting	14
Drawing	14
Art History	10
Watercolor	4
Design	4
Printmaking	3
Sculpture	3
Ceramics	3
Crafts	2
Lettering	2
Senior Seminar	2
Art Electives	4
3. Professional Electives	29

128

Recommended professional electives in the Drawing and Painting emphasis: Upper Division Literature, Introduction to Philosophy, Ethics, Foreign Language, Upper Division History.

II. General Art — Bachelor of Fine Arts Degree — Sculpture and Ceramics Emphasis	
1. General College and Basic Core Requirements	34
2. Art Major Requirements	65
Sculpture	12
Ceramics	12
Art History	10
Painting	8
Drawing	8
Crafts	4
Design	4
Lettering	2
Senior Seminar	2
Art Electives	3
3. Professional Electives	29

128

Recommended professional electives in the Sculpture and Ceramics emphasis: Geology, Introduction to Chemistry, Rocks and Minerals, Foreign Language, Upper Division History.

III. Art Education—Bachelor of Fine Arts Degree—Drawing and Painting Emphasis	
1. General College and Core Requirements	34
2. Art Major Requirements	65
The art major requirements for the art education option are the same as those for the general art option in both areas of emphasis.	
3. Education Requirements for State Certification	20
Including Secondary Art Methods	
Audio-Visual Aids	2
Foundations of Education	3
Secondary School Methods	3
Educational Psychology	3
Art Methods in the Secondary Schools	3
Secondary Student Teaching	6
4. Professional Electives	9

128

IV. Advertising Design — Bachelor of Fine Arts Degree — Advertising Design Emphasis

1. General College and Core Requirements	34
2. Art Major Requirements	65
Advertising Design	10
Painting	14
Drawing	8
Watercolor	4
Design	4
Sculpture, Ceramics or Crafts	6
Lettering and Layout	4
Art History	4
Creative Photo	2
Printmaking	3
Art Electives	6
3. Professional Electives	29

Recommended professional electives: 128
 Introduction to Business, Elements of Management, Play Production,
 Costume Design, Technical Drawing, Architectural Graphics, Foreign
 Language, Upper Division Literature.

ART MAJOR

Lower Division—All Degrees (Suggested Program)

I. General Art Freshman Year

	First Semester	Second Semester
Basic Design	2	2
Elem Drawing	2	2
Elem Painting	2	2
Art History	2	2
Lettering	2	0
*Lettering and Layout	0	(2)
English Composition	3	3
History (Area II)	3	3
Physical Education Activity	1	1
	17	15-17

Sophomore Year

Intermediate Drawing	2	2
Intermediate Painting	2	2
Intro to Music or Drama (Area I)	3	0
Social Science (Area II)	0	3
Lab Science or Mathematics (Area III)	4	4
Electives	5	5
	16	16

II Art Education

Freshman year (see General Art Freshman Year)

Sophomore Year

Intermediate Drawing	2	0
Intermediate Painting	2	2
Foundations of Education	0	3
General Psychology	3	0
Intro to Music or Drama	0	3
Lab Science or Mathematics (Area III Sequence)	4	4
Electives	5	4
	16	16

*Advertising Design Majors Only.

III. History Minor Option

1. Completion of the following courses:	21 credits
U. S. History	6
Federal Government	3
History of Western Civilization	6
History or Political Science Electives	3
Upper Division American History Elective	3

HISTORY MAJOR
Bachelor of Arts Program
 (Suggested Program)

I. Liberal Arts Option**A. American History Emphasis**

Freshman Year:	1st Sem.	2nd Sem.	Junior Year:	1st Sem.	2nd Sem.
History of Western Civ.	3	3	Federal Government	3	—
English Comp.	3	3	Hist. of England or Hist. of Span. America	3	3
Foreign Language	4	4	American History (upper division)	3	3
Lab. Science or Math	4	4	Literature	3	3
Physical Ed. Activities	1	1	Philosophy	3	—
	15	15	Electives	2	8
				17	17
Sophomore Year:			Senior Year:		
United States History	3	3	History Seminar	—	2
Study & Methods of Hist.	—	2	History (upper division)	3	3
Literature	3	3	European History (upper division)	3	3
Foreign Language	4	4	International Relations	—	3
Laboratory Science	4	—	Comparative Government	3	—
Intro Art, Drama, Music	3	3	Electives	7	5
	17	15		16	16

B. European History Emphasis

Freshman Year:	1st Sem.	2nd Sem.	Junior Year:	1st Sem.	2nd Sem.
History of Western Civ.	3	3	Federal Government	3	—
English Composition	3	3	Modern Europe	3	3
Foreign Language	4	4	Amer. Hist. (upper div.)	3	3
Lab. Science or Math	4	4	Literature	3	3
Physical Ed. Activities	1	1	Philosophy	3	—
	15	15	Electives	2	8
				17	17
Sophomore Year:			Senior Year:		
United States History	3	3	History Seminar	—	2
Study & Method of Hist.	—	2	History (upper division)	3	3
Literature	3	3	History of England	3	3
Foreign Language	4	4	International Relations	—	3
Laboratory Science	4	—	Comparative Government	3	—
Intro, Art, Drama, Music	3	3	Electives	7	5
	17	15		16	16

I. Liberal Arts Option

1. General College requirements to include:
 - Federal Government 3
 - Foreign Language or equivalent
(a minimum of) 8
2. History requirements:
 - A. Lower Division Courses 12 credits
 - History of Western Civilization 6
 - United States History 6
 - B. Upper Division Courses (a minimum of)
to include: 25 credits
 - History Seminar 2
 - Study and Methods of History 2
3. Electives 28-36 credits

II. Secondary Education Option

1. General College requirements to include:
 - Federal Government 3
2. History requirements:
 - A. Lower division courses 12 credits
 - History of Western Civilization 6
 - U.S. History 6
 - B. Upper Division Courses (a minimum of)
to include: 25 credits
 - American History Elective 3
 - Study and Methods of History 2
3. Educational requirements for State Certification
for Secondary Education 20 credits
4. Electives 18 credits

III. History Minor Option

1. Completion of the following courses: 21 credits
 - U. S. History 6
 - Federal Government 3
 - History of Western Civilization 6
 - History or Political Science Electives 3
 - Upper Division American History Elective 3

HISTORY MAJOR
Bachelor of Arts Program
 (Suggested Program)

I. Liberal Arts Option**A. American History Emphasis**

		1st Sem.	2nd Sem.			1st Sem.	2nd Sem.
Freshman Year:				Junior Year:			
History of Western Civ.	3	3		Federal Government		3	—
English Comp.	3	3		Hist. of England or Hist. of Span. America		3	3
Foreign Language	4	4		American History (upper division)		3	3
Lab. Science or Math	4	4		Literature		3	3
Physical Ed. Activities	1	1		Philosophy		3	—
		15	15	Electives		2	8
						17	17

Sophomore Year:

United States History	3	3
Study & Methods of Hist.	—	2
Literature	3	3
Foreign Language	4	4
Laboratory Science	4	—
Intro Art, Drama, Music 3	3	3
	—	—
	17	15

Senior Year:

History Seminar	—	2
History (upper division)	3	3
European History (upper division)	3	3
International Relations	—	3
Comparative Government 3	3	—
Electives	7	5
	—	—
	16	16

B. European History Emphasis

Freshman Year:	1st Sem.	2nd Sem.
History of Western Civil.	3	3
English Composition	3	3
Foreign Language	4	4
Lab. Science or Math	4	4
Physical Ed. Activities	1	1
	—	—
	15	15

Junior Year:	1st Sem.	2nd Sem.
Federal Government	3	—
Modern Europe	3	3
Amer. Hist. (upper div.)	3	3
Literature	3	3
Philosophy	3	—
Electives	2	8
	—	—
	17	17

Sophomore Year:

United States History	3	3
Study & Method of Hist.	—	2
Literature	3	3
Foreign Language	4	4
Laboratory Science	4	—
Intro, Art, Drama, Music 3	3	3
	—	—
	17	15

Senior Year:

History Seminar	—	2
History (upper division)	3	3
History of England	3	3
International Relations	—	3
Comparative Government 3	3	—
Electives	7	5
	—	—
	16	16



II. Secondary Education Option

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Junior Year:		
History of West Civil	3	3	History (upper division)	6	6
English Composition	3	3	Educational Psychology	3	—
Lab. Science or Math	4	4	Principles of Econ.	3	—
Federal Government	3	—	Education elective	3	—
Intro, Art, Drama, Music	3	3	State & Local Gov't.	—	3
Physical Education Act.	1	1	Secondary School Methods	—	3
	17	16	Electives	—	3
				15	15
Sophomore Year:			Senior Year:		
U. S. History	3	3	History Seminar	—	2
Literature	3	3	Student Teaching	6	—
Lab. Science or Math	4	—	Education elective	3	—
Gen. Psychology	3	—	History (upper division)	3	6
Study & Method of Hist.	—	2	Sociol., Anthropol., Geog.	3	3
Foundations of Educ.	—	3	Electives	—	6
Electives	3	6		15	17
	16	17			

REQUIREMENTS FOR SPANISH MAJOR

Bachelor of Arts Program

I. Liberal Arts Option

- General College and Basic Core requirements to include:
 - Introduction to World Literature 6
- Other requirements 17 credits
 - Introduction to Linguistics 3
 - History of the Americas 6
 - Second Foreign Language sequence 8
- Spanish requirements 36 credits
 - A. Lower Division 16
 - (unless equivalent work has been done in high school)
 - B. Upper Division 20
- Electives 27 credits

II. Secondary Education Certificate Option

Courses are available which will apply toward meeting the requirements of this major. For information, consult the Foreign Language Department.

SPANISH MAJOR

Bachelor of Arts Program

(Suggested Program)

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Junior Year:		
Elementary Spanish	4	4	Spanish Conversation and Composition	2	2
English Composition	3	3	Spanish Survey of Lit.	3	3
U.S. History	3	3	Second Foreign Language	4	4
Lab. Science or Math	4	4	Intro to Linguistics	—	3
Physical Ed. Activities	1	1	History of the Americas	3	3
	15	15	Electives (Humanities)	5	—
			Electives (General)	—	2
				17	17
Sophomore Year:			Senior Year:		
Intermediate Spanish	4	4	Span. Courses (Up. Div.)	5	5
Introduction to Lit.	3	3	Social Psychology or Social Theory	—	3
Introduction to Philosophy	3	—	Electives (Up. Div.)	4	4
General Psychology or Introduction to Sociology	—	3	Electives (General)	6	3
Laboratory Science	4	4		15	15
Electives (Humanities)	3	3			
	17	17			

REQUIREMENTS FOR MUSIC MAJOR**Bachelor of Arts Program**

A. Completion of general college requirements for the Bachelor of Arts degrees as found on page 32 of the catalog.

B. Minimum Music requirements as follows:

APPLIED EMPHASIS (including voice)		THEORY AND COMPOSITION EMPHASIS	
	credits		credits
Applied Music	16	Piano (or organ)	8
Beginning and Advanced Harmony	12	Beginning and Advanced Harmony	12
Beginning and Advanced Ear Training	4	Beginning and Advanced Ear Training	4
Keyboard Harmony	4	Counterpoint	4
Form and Analysis	4	Music Electives	3
Ensembles	4	Keyboard	4
Music Electives	1	Form and Analysis	4
Concert Class (each semester)	0	Ensemble	4
	45	Canon and Fugue or Composition	2
		Concert Class (each semester)	0
			45

MUSIC MAJOR IN PERFORMANCE, THEORY, AND EDUCATION BACHELOR OF MUSIC PROGRAM

1. The Bachelor of Music Degree (Applied and Theory Emphasis) is designed to train performers and composers and performing artists teachers. It is the basic degree for preparing students for graduate work in the performing and creative fields as well as teaching at the college and university level. It is essentially a professional degree.
2. The Bachelor of Music Degree (Music Education Major) is designed to prepare students for teaching careers in the secondary and elementary educational systems. It also prepares the students for graduate work in Music Education.
3. All full-time music students will be required to attend Concert Class during each semester of residency at Boise State College. (See course description on page 70 for complete details.) Also, all students registered for private performance instruction will perform in the Concert Class each semester, with the exception of beginners who may elect, upon recommendation of their instructors, for a faculty jury.
4. All Bachelor of Music non-keyboard majors, no later than the end of the Junior year, are required to pass a piano proficiency examination before a faculty committee. Proficiency level will consist of all major and harmonic minor scales and arpeggios with both hands together for three octaves, ascending and descending; easier sonatas and/or sonatinas, such as by Beethoven and Clementi; a Bach two-part invention, sight reading of a simple accompaniment such as to grade 3 solos, and/or choral selections. Satisfactory performance in the examination is a prerequisite to Full Senior standing in the Department.

I. Music Performance Option (Voice or Instrument)

1. General College and Basic Core Requirements
(see p. 34) 31-34 credits

¹Organ may be taken if student has sufficient keyboard technique to qualify.

2. Music Requirements:

A. Lower Division Courses	42 credits
Music Performance	16
Harmony and Ear Training	16
Music Literature	6
Ensemble	4
B. Upper Division Courses	40 credits
Music Performance	16
Music History	4
Counterpoint	4
Keyboard Harmony	4
Form & Analysis	4
Conducting	2
Ensemble	4
Senior Recital Performance	2
C. Music Electives (Lower or Upper Division)	8 credits
(Organ Majors must include MU 413-414)	
(Vocal Majors must include 2 semesters of MU 145)	

3. Electives (Any Area) 4-7 credits

TOTAL 128 credits

II. Theory and Composition Option

1. General College and Basic Core Requirements (see p. 34) 31-34 cr

2. Music Requirements:

A. Lower Division Courses	42 cr
Harmony & Ear Training	16
Music Literature	6
Ensemble	4
Performance Major	8
Performance Minor	8
(Piano if major is a non-keyboard instrument)	
B. Upper Division Courses	42-46 cr
Music History	4
Counterpoint	4
Canon & Fugue	2
Keyboard Harmony	4
Continuo & Improvisation	4
Form & Analysis	4
Orchestral & Choral Arranging	4
Music Composition	4
Conducting	4
Performance Major	4-8
Ensemble	4

C. Senior Composition Recital or Music Seminar 2 cr

3. Electives (Any Area) 4-11 cr

Total 128 cr

III. Music Education Option

(Fulfillment of the requirements below will qualify the student for Idaho State Certification in Secondary Schools.)

1. General College and Basic Core Requirements (see p. 34) 31-34 cr

¹Organ may be taken if student has sufficient keyboard technique to qualify.

Sophomore Year:

Music Lit. (Humanities)	3	3
*Applied Music	4	4
Advanced Harmony	3	3
Advanced Ear Training	1	1
Ensemble	1	1
Social Science	3	0
Elective	2	3
Recital Appearance	0	0
Concert Class	0	0
	17	15

B. Voice Major

Freshman Year:	1st Sem.	2nd Sem.
English Composition	3	3
Physical Education	1	1
*Applied Music	4	4
Beginning Harmony	3	3
Beginning Ear Training	1	1
Ensemble	1	1
Social Science	3	3
Recital Appearance	0	0
Concert Class	0	0
	16	16

Sophomore Year:

Music Literature	3	3
Foreign Language	4	4
Applied Music	4	4
Advanced Harmony	3	3
Advanced Ear Training	1	1
Ensemble	1	1
Elective	1	1
Recital Appearance	0	0
Concert Class	0	0
	17	17

Senior Year:

Applied Music	4	4
Elective (Art, History, Speech, or Drama suggested)	3	—
Senior Recital	—	2
Foreign Language	4	4
Form and Analysis	2	2
Ensemble	1	1
*Music Electives	1	2
Concert Class	0	0
	15	15

Junior Year:

Elective (Art, Speech, or Drama suggested)	3	—
Applied Music	4	4
Counterpoint	2	2
Music History	2	2
Ensemble	1	1
Elective	—	3
Foreign Language	4	4
Recital Appearance	0	0
Concert Class	0	0
	16	16

Senior Year:

Conducting	2	—
Applied Music	4	4
Keyboard	2	2
Literature	3	3
Senior Recital	—	2
Form and Analysis	2	2
Ensemble	1	1
Electives (Music)	1	1
Concert Class	0	0
	15	15

**C. Requirements for a Theory and Composition Major
(Music Area)**

	Credits		Credits
Applied Major	12-16	Senior Composition Recital or Seminar	2
Applied Minor (Piano if major in another instrument)	8	Ensemble	8
Lower Division Theory	16	Music Literature and History	10
*Upper Division Theory	28	Concert Class	0
			82-88
			Credits

(Academic Area)

	Credits		Credits
English Composition	6	Social Science	9
Physical Education	2	*Language	8
Lit., Art, Drama, Speech (choice of 3)	9	Electives	8-10
			42-44

*A total of 32 credits to be earned in Applied Music; a student may earn up to 4 credits toward these 32 by playing full solo recitals (MA 495) for 2 credits per recital. A proficiency exam in the major applied area will be held before the music faculty at the end of the sophomore year.

*Organ Majors must take Continuo Realization and Improvisation.

*See keyboard proficiency requirement on p. 51.

*Two years of Keyboard Harmony required.

*An additional year of foreign language is suggested.

D. Music Education Major⁷

Freshman Year:		1st Sem.	2nd Sem.	Junior Year:		1st Sem.	2nd Sem.
English Composition	.....	3	3	¹⁰ Lab Science or Language	.....	4	4
Physical Education	.....	1	1	Applied Major	.....	2	2
Applied Major	.....	2	2	Ensemble	.....	1	1
Beginning Harmony	.....	3	3	Keyboard Harmony	.....	2	2
Beginning Ear Training	.....	1	1	¹¹ Gen. Psychology	.....	—	3
Ensemble	.....	1	1	Social Science (History)	.....	3	—
⁸ Voice Class	.....	0-1	0-1	Choral Methods	.....	—	—
Art or Speech	.....	—	3	and Materials	.....	1	1
⁹ Applied Minor	.....	1-2	1-2	Inst. Tech. and Methods	.....	1	1
Instrumental Tech.	.....	—	—	Conducting	.....	2	2
or Methods	.....	1	1	Percussion Class	.....	—	1
Recital Appearance	.....	0	0	Recital Appearance	.....	0	0
Concert Class	.....	0	0	Concert Class	.....	0	0
		13-14	16-17			16	17
Sophomore Year:				Senior Year:			
Applied Major	.....	2	2	Found. of Ed.	.....	3	3
Applied Minor	.....	2	2	Joint Recital ½	.....	—	0
Harmony	.....	3	3	Applied Music	.....	2	2
Ear Training	.....	1	1	Secondary Sch. Methods	.....	2	—
Ensemble	.....	1	1	Practice Teaching	.....	—	6
Music Literature	.....	3	3	Electives (Music)	.....	4	0
Literature	.....	3	3	Ensemble	.....	1	1
Recital Appearance	.....	0	0	Ed. Psychology	.....	—	3
Concert Class	.....	0	0	Orch. and Choral	.....	—	—
Inst. Tech. & Meth.	.....	1	1	Arranging	.....	2	2
		16	16	Form and Analysis	.....	2	2
				Concert Class	.....	0	0
						16	16

REQUIREMENTS FOR SOCIAL SCIENCE MAJOR**Bachelor of Arts Program****I. Liberal Arts Option**

1. General College and Basic Core requirements:
2. Social Science requirements:
 - A. Lower Division Courses 21 credits
 - Anthropology or Geography 3
 - Economics 3
 - Political Science 3
 - Sociology 3
 - Social Science Electives 9
 - B. Upper Division Courses (Select from the following combinations twelve credits in one field and six credits in two other fields): 24 credits
 - Anthropology 1
 - Economics 1
 - Political Science 1
 - Sociology 1
 - Psychology 1

II. Secondary Education Certificate Option

1. General College and Basic Core requirements:
2. Major requirements:
 - A. Lower Division Courses 30 credits
 - History of Western Civilization 6
 - U.S. History 6
 - Economics 6

⁷A minimum of six hours of credit in Instrumental Techniques and Methods, Public School Music, and/or Choral Techniques and Methods is required.

⁸Waived for voice majors.

⁹Piano class (1 credit) may be taken during first year piano study.

¹⁰Voice Majors only may elect foreign language.

¹¹Meets both Social Science and Education requirements.

Federal Government	3	
State and Local Government	3	
Sociology	3	
Geography	3	
B. Upper Division Courses — (Must include three credits of American History, additional six credits in History courses)		18 credits
Comparative Government	3	
Social Science Electives	6	
3. Educational requirements for State Certification for Secondary Education		20 credits

SOCIAL SCIENCE MAJOR

Bachelor of Arts Program

(Sample Program)

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Junior Year:		
English Composition	3	3	Social Science (Lower Div. Electives)	—	3
History of Western Civil.	3	3	Laboratory Science	4	—
Foreign Language	4	4	Literature	3	3
Introduction to Sociology	3	—	Philosophy	3	—
Federal Government	—	3	U.S. History	3	3
Electives	2	2	Economic Geography	—	3
Physical Education	1	1	Social Science (Upper Div. 1st Field)	3	3
	16	16		16	15
Sophomore Year:			Senior Year:		
Humanities Sequence	3	3	Social Science (Upper Div. 1st Field)	3	3
Mathematics	4	4	Social Science (Upper Div. 2nd Field)	3	3
Fundamentals of Speech	3	—	Social Science (Upper Div. 3rd Field)	3	3
General Psychology	—	3	Electives	7	7
Anthropology or Geog.	3	—		16	16
Social Science (Lower Div. Electives)	3	3			
Electives	—	4			
	16	17			

SOCIAL SCIENCE — SECONDARY EDUCATION OPTION

Bachelor of Arts Program

(Suggested Program)

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Junior Year:		
English Composition	3	3	Literature	3	3
History of Western Civil.	3	3	Upper Div. History Elec.	3	3
Mathematics	4	4	Comparative Government	—	3
Federal Government	3	—	Social Science Elective	3	—
State and Local Government	—	3	Educational Psychology	—	3
Economics	3	3	Education Elective	2	—
Physical Education	1	1	Humanities Elective	3	—
	17	17	Electives	3	5
				17	17
Sophomore Year:			Senior Year:		
U. S. History	3	3	Upper Div. History Elec.	—	3
Humanities Sequence	3	3	Social Science Elective	—	3
General Psychology	3	—	Speech for Teachers	3	—
Intro. to Geography	—	3	Secondary School Methods	3	—
Laboratory Science	4	—	Secondary Student Teach.	6	—
Introductory to Sociology	—	3	Humanities Elective	—	3
Foundations of Educ.	3	—	Electives	—	8
Electives	—	3		12	17
	16	15			

REQUIREMENTS FOR SOCIAL WORK MAJOR**Bachelor of Arts Program**

1. General College Requirements to include:
 - Mathematics or Laboratory Science 8
2. Major requirements:
 - A. Lower Division Courses 27 credits
 - History sequence 6
 - Fundamentals of Speech 3
 - Economics 6
 - Introduction to Sociology 3
 - Social Problems 3
 - General Psychology 3
 - State and Local Government 3
 - B. Upper Division Courses 36 credits
 - Social Welfare 3
 - Community Planning and Community Organization . . . 3
 - Field Work 6
 - Philosophy of Social Work 3
 - Social Work Methods 3
 - Child Psychology 3
 - The Urban Community 3
 - Group Interaction 3
 - Statistics 3
 - Social Work or Sociology Electives 6

SOCIAL WORK
(Suggested Program)

Freshman Year:	1st Sem.	2nd Sem.	Junior Year:	1st Sem.	2nd Sem.
English Composition	3	3	Philosophy of Social Work	—	3
Lab Science or Math	4	4	Humanities Sequence	3	3
History Sequence	3	3	Child Psychology	3	—
Intro. to Sociology	3	—	Social Welfare	3	—
Social Problems	—	3	Urban Community	3	—
General Psychology	—	3	Social Psychology	—	3
Physical Education	1	1	Electives	5	6
Electives	2	—		17	15
	16	17			
Sophomore Year:			Senior Year:		
Fund. of Speech	3	—	Field Work	3	3
Lab Science	4	—	Statistics	3	—
Intro. to Social Work	—	3	Social Theory	3	3
Literature	3	3	Public Welfare	—	3
Economics	3	3	Group Interaction	3	—
State & Local Govt.	—	3	Comm. Planning & Organization	—	3
Social Science Electives	3	5	Case Methods	—	3
	16	17	Social Work Methods	3	—
				15	15

REQUIREMENTS FOR SPEECH MAJOR**Bachelor of Arts Program**

1. General college requirements	8
English Composition	6
Physical Education	2
2. Area I requirements	12
Literature Elective	6
Humanities (Intro to Art or Music)	3
Dramatic Literature	3
3. Area II Requirements	12
History of Western Civ.	6
General Psychology	3
Social Science Elective	3
4. Area III requirements	12
Laboratory Science	8
Laboratory Science	4
5. Other requirements	11
Foreign Language	8
Philosophy Elective	3

Major Subject Requirements**Forensics and Public Address Emphasis****Speech, Secondary Education Emphasis**

Speech	3	Speech	3
Voice & Diction	3	Voice & Diction	3
Argument & Debate	6	Elec (Sp or Dr)	21
Inter Speech	3	Directing	3
Oral Interpretation	6	Oral Interpretation	6
Rhetoric	3	Discussion	3
Public Address	6	Seminar	2
Speech Analysis	2		41
Discussion	3		
Speech Electives	3	Education	21
Speech Seminar	2	Shakespeare	3
Practicum	3	Contemp. Drama	3
	43	Electives	5
		(U.D.=46)	
Dramatics Electives	12		
Electives	18		32
	30		

SPEECH MAJOR**Bachelor of Arts Program**

(Suggested Program)

FORENSICS AND PUBLIC ADDRESS EMPHASIS

Freshman Year:			Sophomore Year:		
	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
English Comp.	3	3	Literature Electives	3	3
Physical Education	1	1	Western Civ.	3	3
Lab Science	4	4	Drama Electives	3	3(LD)
Fund. of Speech	3	0	Intermed. Speech	3	0
General Psychology	0	3	Lab Science	0	4
Intro. to Drama	3	0	Soc. Science Elective	3	0
Voice and Diction	0	3	Elective	2	0
Argument and Debate	3	3	Humanities Elect.	0	3
	17	17		17	16

Junior Year:		1st Sem.	2nd Sem.	Senior Year:		1st Sem.	2nd Sem.
Foreign Language	4	4		History of Pub. Add.	3	0	
Oral Interp.	3	0(LD)		Contemp. Amer. Add.	0	3	
Advan. Oral Interp.	0	3		Speech Anal. & Impr.	0	2	
Speech Elective	3	0(UD)		Discussion	3	0	
Rhetoric	0	3		Electives	3	3	
Ethics	0	3		Drama Electives	3	3(UD)	
Electives	6	4		Speech Practicum	3	0	
		16	17	Speech Seminar	0	2	
					15	13	

SECONDARY EDUCATION OPTION

Freshman Year:				Junior Year:			
English Composition	3	3		Foreign Language	4	4	
P. E.	1	1		Oral Interpretation	3	0	
Lab Science	4	4		Advance Oral Interp.	0	3(UD)	
Fund. of Speech	3	0		Shakespeare	3	0	
General Psychology	0	3		Speech for Teachers	0	3	
Humanities Elective	3	0		Educ. Psychology	3	0	
Voice and Diction	0	3		Foundations of Educ.	0	3	
Speech Elective	3	3		Ethics	3	0	
		17	17	Speech Elective	0	3	
					16	16	
Sophomore Year:				Senior Year:			
Literature Elective	3	3		Directing	3	0	
Western Civilization	3	3		Speech-Drama Seminar	0	2	
Lab Science	0	4		Discussion	3	0	
Social Science Elective	3	0		Contemporary Drama	0	3	
Humanities Elective	0	3		Second. School Meth.	3	0	
Speech Elective	8	4		Education Elective	0	3	
		17	17	Practice Teaching	6	0	
				Electives	0	5	
					15	13	

REQUIREMENTS FOR DRAMA MAJOR

Bachelor of Arts Program

1. General college requirements	8
English Composition	6
Physical Education	2
2. Area I requirements	12
Literature Elective	6
Humanities (Intro to Art or Music)	3
Dramatic Literature	3
3. Area II requirements	12
History of Western Civ.	6
General Psychology	3
Social Science Elective	3
4. Area III requirements	12
Laboratory Science	8
Laboratory Science	4
5. Other requirements	11
Foreign Language	8
Philosophy Elective	3

Major Subject Requirements**Drama Emphasis**

Acting	6
Tech of Theatre	6
Theatre Speech	3
Theatre Movement	2
Directing	6
Period Plays	6
Seminar	2
Practicums	6
Major Production	4

41

Speech	3
Voice and Diction	3
Design	2
Literature	9
Electives	15

32

(U.D.=44 min.)

Drama, Secondary Education Emphasis

Speech	3
Voice and Diction	3
Elec (Sp or Dr)	21
Directing	3
Oral Interpretation	6
Discussion	3
Seminar	2

41

Education	21
Shakespeare	3
Contemp. Drama	3
Electives	5

32

(U.D.=46)

DRAMA MAJOR**Bachelor of Arts Program**

(Suggested Program)

DRAMA EMPHASIS**Freshman Year:**

	1st Sem.	2nd Sem.
English Composition	3	3
Physical Education	1	1
Lab. Science	4	4
Fund. of Speech	3	0
General Psychology	0	3
Humanities Elect.	3	0
Voice and Diction	0	3
Acting	3	3
	17	17

Junior Year:

	1st Sem.	2nd Sem.
Foreign Language	4	4
Dramatic Literature	3	3
Acting Period Plays	3	3
Ethics	3	0
Electives	3	6(UD)
	16	16

Sophomore Year:

Literature Electives	3	3
Western Civ.	3	3
Technical Theatre	3	3
Design and Comp	2	0
Theatre Speech	3	0
Theatre Movement	0	2
Social Sci. Elect.	3	0
Laboratory Science	0	4
Elective	0	2
	17	17

Senior Year:

Directing	3	3
Dramatic Literature	3	3
Major Production	(1-4)	
Speech Seminar	0	2
Tech Practicum	3	0
Directing Practicum	0	3
Electives	2	3
	14	14

SECONDARY EDUCATION OPTION

Freshman Year:			Junior Year:		
	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
English Composition	3	3	Foreign Language	4	4
P. E.	1	1	Oral Interpretation	3	0
Lab. Science	4	4	Advance Oral Interpre.	0	3(UD)
Fund. of Speech	3	0	Shakespeare	3	0
General Psychology	0	3	Speech for Teachers	0	3
Humanities Elective	3	0	Educational Psychology	3	0
Voice and Diction	0	3	Foundations of Educ.	0	3
Drama Elective	3	3	Ethics	3	0
	17	17	Drama Elective	0	3
Sophomore Year:			Senior Year:		
Literature Elective	3	3	Directing	3	0
Western Civilization	3	3	Speech-Drama Seminar	0	2
Lab. Science	0	4	Discussion	3	0
Social Science Elective	3	0	Contemporary Drama	0	3
Humanities Elective	0	3	Secondary School Meth.	3	0
Drama Elective	8	4	Education Elective	0	3
	17	17	Practice Teaching	6	0
			Electives	0	5
				15	13

COURSE OFFERINGS

LOWER DIVISION

AR ART**100 Basic Drawing and Painting for Non-Art Majors—2 credits**

Either semester

A one semester course with emphasis on media, techniques, and philosophy designed to acquaint the general college student with the basic fundamentals of drawing and painting. Four studio hours per week.

†101, 102 Art History—2 credits

Each semester

A study of artistic expression in the fields of painting, sculpture and architecture. First Semester: Pre-Historic art to the Renaissance. Second Semester: Art of the Renaissance to the present. Two lecture hours per week.

103 Introduction to Art—3 credits

Each semester

A one semester course designed to acquaint the general college student with the aesthetics of painting, sculpture, architecture, and other arts. Complete with slides, gallery tours, and guest artists.

105, 106 Basic Design—2 credits

Each semester

Theoretical and applied study of the structural organization underlying painting, sculpture, commercial and industrial art, and interior decorating. Scientific and aesthetic investigation of color are included. Four studio hours per week. Advisable to take AR-105 prior to AR-106.

107 Lettering—2 credits

Either semester

A study of lettering techniques and various alphabets; emphasis upon modern styles, spacing and layout. Four studio hours per week.

108 Lettering and Layout—2 credits

Second semester

A study of lettering techniques used in advertising design, for advertising design majors; prerequisite: AR-107. Four studio hours per week.

111, 112 Elementary Drawing—2 credits

Each semester

First Semester: Emphasis on perspective, form, light and shade, and composition. Second Semester: Introduction to the human figure. Four studio hours per week. Advisable to take AR 111 prior to AR 112.

†A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates either course may be taken independently of the other.

- 113-114 Elementary Painting—2 credits** Each semester
 First Semester: Emphasis on the techniques of transparent water color.
 Second Semester: Emphasis on the Techniques of opaque water color and mixed media. From still life and nature to abstraction. Four studio hours per week.
- 115, 116 Landscape Painting—3 credits** Summer
 Various styles and techniques in landscape painting in oil, watercolor, and related media. Field trips. Six studio hours per week.
- 119 Architectural Graphics—2 credits** Either semester
 Perspective Drawing, including projections, shades and shadows and architectural rendering in various media. Four studio hours per week.
- 121, 122 Crafts—2 credits** Each semester
 A creative exploration in designing and construction problems. Various materials will be utilized, with primary emphasis being on jewelry design and a major project of the student's choice. Craftsmanship, and the care and usage of tools will be stressed. Four studio hours per week.
- 131 Interior Decorating—2 credits** Either semester
 Aid in understanding and appreciating interior design. The most basic components of home decorating will be studied. These include color, wallpaper, fabrics, carpet, and furniture. Two hours lecture, one-half hour demonstration per week.
- 141 Photography Theory—1 credit** Either semester
 Introduction to simple problems in the photographic process. Evening program only.
- 143 Photography Laboratory—1 credit** Either semester
 Actual work in taking, developing and printing pictures, both for technical development and creative growth. Evening program only. Two hours per week.
- †203-204 Advertising Design—2 credits** Each semester
 Special assignments in various techniques employed in advertising and commercial art; problems in layout typography, and reproduction processes will be emphasized. Advisable to have had design and color composition and elementary drawing. Four studio hours per week.
- 211, 212 Intermediate Drawing—2 credits** Each semester
 Anatomical rendering and analysis of the drawing in relation to creative composition. Four studio hours per week. Prerequisite: Elementary Drawing AR-111, AR-112. Advisable to take AR-211 prior to AR-212.
- 215, 216 Intermediate Painting—2 credits** Each semester
 Painting in oils and related media with emphasis on various techniques and subject matter. Four studio hours per week. Prerequisite: Elementary Painting AR-113 and AR-114. Advisable to take AR-215 prior to AR-216.
- 217, 218 Watercolor—2 credits** Each semester
 Experimental approaches in the use of transparent watercolor, and opaque waterbase media. Work will be outdoors from nature as well as studio work. Four studio hours per week. Advisable to take AR-217 prior to AR-218.
- 225, 226 Ceramics—3 credits** Each semester
 An introduction to ceramics technique and materials. Practice is given in the use of potter's wheel, molding, hand building, decoration, glazing, and firing. Enrollment is limited. Six studio hours per week. Prerequisite: AR-105 and AR-106.
- 231, 232 Sculpture—3 credits** Each semester
 Work in a variety of three dimensional materials, with emphasis on the techniques of carving, modeling, casting and constructing. Six studio hours per week. Prerequisite: AR-105 or AR-106.
- 251 Introduction to Creative Photography—2 credits** Each semester
 An aesthetic approach to basic photographic skills. One hour lecture and three hours laboratory work per week. Adjustable camera required.

Upper Division

- 301 Nineteenth Century Painting and Sculpture—3 credits** First semester
An in depth study of important artists and movements in Europe and the United States; from neoclassicism in France to social commentary in America. Prerequisite: Junior standing.
- 302 Twentieth Century Painting and Sculpture—3 credits** Second semester
An in depth study of important artists and movements in Europe, Mexico and the United States; from Fauvism in France to trends in contemporary American art. Prerequisite: Junior standing.
- 303-304 Advanced Advertising Design—3 credits** Each semester
Preparation of art for reproduction; advanced techniques and studio practices. Prerequisite: Advertising Design, AR-204. Six studio hours per week.
- 305-306 Advanced Visual Design—3 credits** Each semester
Advanced exploration of two-dimensional and three-dimensional design, continuing with problems in line, form, color, texture, and space. Six studio hours per week. Prerequisite: AR 105-106. Alternate years, offered 1970-71.
- 309 Printmaking—3 credits** Either semester
Introduction to the processes of woodcut, lithography; etching and serigraphy; six studio hours per week.
- 310 Printmaking—3 credits** Either semester
Further concentration in two of the following four areas: woodcut, lithography, etching, serigraphy, six hours studio per week. Prerequisite: AR-309.
- 311, 312 Advanced Drawing—3 credits** Each semester
Advanced life drawing in various media. Six studio hours per week; prerequisite: AR-111-112, AR-211-212.
- 315, 316 Advanced Painting—3 credits** Each semester
Creative work in representational and non-representational areas in oil and related media. Prerequisite: AR-113-114, AR-215-216. Six studio hours. Advisable to take AR-315 prior to AR-316.
- 317, 318 Advanced Watercolor—3 credits** Each semester
Advanced work in opaque and transparent media with emphasis on experimental techniques. Six studio hours per week. Prerequisite: Watercolor AR-217 and AR-218.
- 321 Elementary School Art Methods—3 credits** Either semester
For students expecting to teach in the elementary schools. This course is especially designed to help prospective teachers construct outlines of courses for creative art activities in the elementary grades. Progressive methods and materials conducive to free and spontaneous expression are stressed. Six studio hours per week.
- 325, 326 Advanced Ceramics—3 credits** Each semester
Advanced study in the materials of ceramics, with emphasis on the exploration of clays, glazes, and firing as it applies to the creative artist or teacher. Six studio hours per week. Prerequisite: Ceramics AR-125 and AR-126.
- 331, 332 Advanced Sculpture—3 credits** Either semester
Advanced study in the material and methods of the sculptor with emphasis upon welded steel and metal casting. Six studio hours per week. Prerequisite: AR-231-232.
- 341, 342 Creative Photography—3 credits** Each semester
Advanced study of photographic techniques, emphasis is placed on the creative approach to picture taking and printing. One hour lecture, five hours laboratory per week. Adjustable camera required, field trips. Prerequisite: AR-251 or consent of instructor.
- 351 Secondary School Art Methods—3 credits** First semester
Art education on the junior high school and senior high school levels. Three hours lecture per week.

415-416 Senior Painting—3 credits Each semester
Creative work in representational and non-representational areas in oil and related media. Prerequisite: AR-315-316. Six studio hour per week.

498 Senior Seminar—2 credits Each semester
Required reading and a written paper dealing with some selected art topic of the student's choice, to be presented to the seminar staff. Prerequisite: senior standing.

E ENGLISH

Students who transfer from other schools with qualifying scores on objective tests, equivalent to those administered to Boise State College freshmen, will be required to take only the essay section of the placement tests. See requirements below for Remedial and Advanced Placement in English composition.

Lower Division

101 Remedial English—No credit Each semester
The fundamentals of grammar, composition and reading required of students with ACT Group 1 Probability scores of below 20 or students whose first writing in E-101 is deficient. A grade of S is required for admission to E-101.

101 English Composition—3 credits Each semester
Basic skills in writing, including use of supportive materials, source references, basic patterns of organization, and standard usage.

102 English Composition—3 credits Each semester
Analysis and interpretation of imaginative literature. Study of basic terms and methods. Practice in criticism.

120 English as a Second Language—3 credits Each semester
Principles of English Composition and speech for foreign students; vocabulary development; sentence structure. Practice in writing and speaking current idiomatic English, with emphasis on the development of reading and writing skills. Foreign students may substitute E-120 for English 101. Prerequisite: Admission to the college and recommendation of foreign student advisor.

201 Expository Composition—3 credits Each semester

203 Creative Writing—3 credits First semester
Prerequisite: Consent of instructor based upon evaluation of student's original works.

230 Western World Literature—3 credits First semester
Homer through Dante. Prerequisite: E-102.

235 Western World Literature—3 credits Second semester
Renaissance to Present. Prerequisite: E-102.

240 Survey of British Literature to 1790—3 credits First semester
Prerequisite: E-102.

260 Survey of British Literature: 1790 to Present—3 credits Second semester
Prerequisite: E-102.

270 Survey of American Literature—4 credits Each semester
A survey of American literature from the Colonial writers to the modern writers. Prerequisite: E-102.

290 History of Literary Criticism—3 credits Second semester
Required of all sophomore level English majors. The course will be a survey of the critical approaches to literature from Plato to the twentieth century. Prerequisite: Sophomore standing and E-102.

Upper Division

303 Short Fiction Composition—3 credits Second semester
Prerequisite: Consent of instructor based upon evaluation of student's original works.

- 304 Poetry Composition—3 credits** First semester
Prerequisite: Consent of instructor based upon evaluation of student's original works.
- 320 Non-British Western World Drama—3 credits** Either semester
Aeschylus through Racine. Prerequisite: junior standing and E-102 or consent of the Department Chairman.
- 336 Nineteenth-Century Continental Literature—3 credits** First semester, alternate years
Prerequisite: Junior standing and E-102 or consent of Department Chairman. Will not be taught 1970-71.
- 338 Twentieth-Century Continental Literature—3 credits** Second semester, alternate years
Prerequisite: Junior standing and E-102 or consent of Department Chairman. Will not be taught 1970-71.
- 340 Chaucer—3 credits** Falls semester, alternate years
A detailed study of the poetic works of Geoffrey Chaucer. Prerequisite: E-240.
- 341 Medieval Non-Dramatic Literature—3 credits** Either semester, alternate years
A detailed study of epic and romance genres in translation without concern for national limitations. Prerequisite: E-240 and junior standing. Not offered 1970-71.
- 345 Shakespeare: Tragedies & Histories—3 credits** Fall semester
A study of representative Shakespearean Tragedies and Histories. Prerequisite: E-240.
- 346 Shakespeare: Comedies & Romances—3 credits** Spring semester
A study of representative Shakespearean Comedies and Romances. Prerequisite: E-240.
- 347 Spenser—3 credits** Either semester, alternate years
Prerequisite: Junior standing and E-240 or consent of Department Chairman. A study of the Faerie Queene and minor works. Not offered 1970-71.
- 348 Renaissance Non-Dramatic Literature—3 credits** Either semester, alternate years
A study of non-dramatic Renaissance Literature prior to 1603. Prerequisite: E-240.
- 349 Renaissance British Drama: Non-Shakespearean—3 credits** Second semester, alternate years
Prerequisite: Junior standing and E-240 or consent of Department Chairman.
- 350 Earlier Seventeenth Century Non-Dramatic Literature—3 credits** Either semester, alternate years
A study of the poetry and prose written by English authors such as Donne, Jonson, Bacon, Burton, and Marvell, who flourished during the first sixty years of the 17th century. Not offered 1970-71.
- 351 Milton—3 credits** First semester
Selected prose and poetry of John Milton. Prerequisite E-240 and junior standing.
- 355 Dryden, Pope and Their British Contemporaries—3 credits** First semester, alternate years
Prerequisite: Junior standing and E-240 or consent of Department Chairman.
- 357 Swift, Johnson and Their British Contemporaries—3 credits** Second semester, alternate years
Prerequisite: Junior standing and E-240 or consent of Department Chairman.

- 359 British Novel: Beginnings through Scott—3 credits** First semester, alternate years
Prerequisite: Junior standing and E-240 or consent of Department Chairman. Will not be offered 1970-71.
- 360 British Romantic Poetry—3 credits** First semester
Prerequisite: Junior standing and E-260 or consent of Department Chairman. A study of selected poetry and some prose of the Romantics from Wordsworth through Byron.
- 365 Victorian Poetry—3 credits** Second semester, alternate years
Tennyson, Browning and contemporaries. Prerequisite: Junior standing and E-260 or consent of Department Chairman. Will not be offered 1970-71.
- 366 Victorian Prose—3 credits** Second semester, alternate years
A study of important non-fiction prose works written during the Victorian period. Prerequisite: E-260 and junior standing.
- 369 British Novel: Austen through Hardy—3 credits** Second semester, alternate years
Prerequisite: Junior standing and E-260 or consent of Department Chairman. Will not be offered 1970-71.
- 377 American Renaissance—3 credits** First semester
Emerson, Hawthorne, and contemporaries. Prerequisite: Junior standing and E-270 or consent of Department Chairman.
- 378 American Realism—3 credits** Second semester
Twain, James, and contemporaries. Prerequisite: Junior standing and E-270 or consent of Department Chairman.
- 381 Methods of Teaching Secondary School English—3 credits** First semester
Study of traditional and modern theories and methods of teaching composition, language and literature at the secondary level. Prerequisite: Advanced Grammar LI-306.
- 384 Literature of the American West—3 credits** Second semester
Prerequisite: Junior standing and E-240 or consent of Department Chairman.
- 385 Twentieth-Century Anglo-American Fiction—3 credits** First semester
Prerequisite: Junior standing and one semester of L-260 or L-270 or consent of Department Chairman.
- 387 Twentieth-Century Anglo-American Poetry—3 credits** Second semester
Prerequisite: Junior Standing and one semester of E-260 or E-270 or consent of Department Chairman.
- 389 Twentieth-Century Anglo-American Drama—3 credits** Either semester
Prerequisites: Junior standing and one semester of E-260 or E-270 or consent of Department Chairman.
- 390 Folklore—3 credits** First semester
Study of what folklore is, its written and oral traditions, its different genres, and the analogues—or variants related to different genres. Prerequisite: E-102 and junior standing or consent of Department Chairman.
- 394 Methods and Theories of Literary Criticism—3 credits** First semester
Prerequisite: E-294 and Junior standing or consent of Department Chairman. A detailed study and application of major critical methods and theories.
- 498 Senior Seminar—2 credits** Second semester
Required of all senior English majors. Prerequisite: Senior standing in English or consent of Department Chairman.

HU HUMANITIES

Lower Division

- 207-208 Introduction to Humanities—3 credits** Each semester
A comprehensive survey of man's attempts to realize to the fullest human values. The course will deal with the manner in which the creative works of man in literature, graphic and plastic arts, and music illustrate attempts to solve environmental, intellectual, and spiritual problems during the major cultural epochs of human history. The course will be conducted by a panel of specialists in the three major creative areas.

LI LINGUISTICS

- 305 Introduction to Language Studies—3 credits** Spring semester
A general survey of contemporary language study as it is carried on in the fields of linguistics, anthropology, semantics, psychology, and communication theory.
- 306 Advanced English Grammar—3 credits** Each semester
A survey of three approaches to the grammatical description of English: traditional, structural, and transformational.
- 307 Applied English Linguistics—3 credits** Spring semester
Application of linguistic theory and concepts to the teaching of English grammar and composition. Analysis of specific problems of structure encountered in instruction. Examination of texts and materials, reports on pertinent articles in professional journals, and demonstrations. For teachers or prospective teachers of secondary schools. Prerequisite: LI-305 or consent of Department Chairman.
- 309 History of the English Language—3 credits** Fall semester

HY HISTORY

Lower Division

- †101-102 History of Western Civilization—3 credits** Each semester
First semester: The development of European civilization from classical antecedents to the mid-seventeenth century. Second semester: The development and expansion of western civilization worldwide since the seventeenth century.
- 151-152 United States History—3 credits** Each semester
First semester: The history of American civilization from Pre-Columbian days to 1865 with emphasis given to the development of the union and expansion. Second semester: A survey of the significant factors influencing American development from the Civil War to the present, including the growth of American business, and the emergence of the nation to a world power.
- 298 American Heritage—2 credits** Second semester or Summer
An introductory course to an Eastern seaboard trip; provides a survey of the early and contemporary contributions to our American heritage. Historical and governmental sites to be visited include Williamsburg, Washington, D.C., and New York City. The credit allowance in this course is subject to the student's participating in the tour and doing the required work. The course is open on an audit basis for other interested students.

Upper Division

- 300 The Study and Methods of History—2 credits** Either semester
The methods of historical research—selection and evaluation of source materials, interpretation, synthesis—and the preparation of scholarly written papers. Required for all history majors by the completion of the junior year. Open to selected students in other majors with permission of the instructor.

†A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates either course may be taken independently of the other.

301 Renaissance and Reformation—3 credits

First semester

A study of the political, social, economic, religious and cultural developments from 1300 to 1600, with emphasis on the Italian Renaissance and the Church-State relationships. Prerequisite: History of Western Civilization HY-101 and HY-102.

303 The Enlightenment and French Revolution—3 credits

Second semester

A survey of Europe in the seventeenth and eighteenth centuries: the age of absolutism, ideas of the *philosophes*, the crisis in the old regime and revolution. Prerequisite: History of Western Civilization HY-101 and HY-102.

†305, 306 Modern Europe—3 credits

Each semester

Political, cultural, social, and economic history of Europe from the Congress of Vienna to the present time. The emphasis will be upon the interaction and world leadership of the major European powers. Domestic affairs will be considered as they affect both the individual nations and their relations with other nations. First semester: Europe in the Nineteenth Century. Second semester: Europe and the world in the Twentieth Century. Prerequisite: History of Western Civilization HY-101 and HY-102.

311, 312 History of England—3 credits

Each semester

First semester: Survey of the major cultural, political, economic and religious developments in England from the beginning to 1603. Second semester: Great Britain from the seventeenth century to the present. Prerequisite: History of Western Civilization HY-101 and HY-102.

313, 314 History of Russia—3 credits

Each semester

First semester: Survey of the origins and development of the Kievan and Muscovite states to the eighteenth century. Second semester: A study of the major cultural and economic institutions as well as the growth of political power by the state from the eighteenth century to the present. Prerequisite: History of Western Civilization HY-101 and HY-102.

315, 316 History of the Far East—3 credits

Each semester

A survey of the major powers of the Orient—their internal political and cultural development. Prerequisite: History of Western Civilization HY-101 and HY-102.

319 Ancient Greece—3 credits

Either semester

A study of the political, social, and cultural developments from the Cretan civilization through the Hellenistic period, with stress on those tendencies and achievements which have influenced later developments in Western Civilization. Prerequisite: History of Western Civilization HY-101.

320 Ancient Rome—3 credits

Either semester

Political, social and cultural history from the Etruscans to the 5th century A.D., with stress on those tendencies and achievements which have influenced later developments in Western Civilization. Prerequisite: History of Western Civilization HY-101.

321 Medieval History—3 credits

Second semester

The political, economic and cultural development of Medieval Europe from the fifth to the fourteenth century. Prerequisite: History of Western Civilization HY-101 and HY-102.

351 Colonial America—3 credits

First semester

Colonial rivalry in North America; an investigation of the political organizations, social institutions, economic development, and the war for American independence. Prerequisite: United States History HY-151 and HY-152.

†A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates either course may be taken independently of the other.

352 The Federal Period, 1783-1815—3 credits Either semester

The United States from the end of the Revolution through the War of 1812. Emphasis on the government under the Articles of Confederation; drafting and implementing the Constitution; the rise of political parties; and the War of 1812. Prerequisite: United States History HY-151.

353 The National Era, 1815-1848—3 credits Either semester

The development of American nationalism; the Era of Good Feelings; the emergence of Jacksonian Democracy; Manifest Destiny; the beginnings of sectional rivalry; and the Mexican War. Prerequisite: United States History HY-151.

354 Civil War and Reconstruction—3 credits Second semester

A study of the origins of the conflict between the states, the encounter and the problems of reunification. Prerequisite: United States History HY-151 and HY-152.

355 Western America—3 credits First semester

The frontier as a region in transit from the Atlantic seaboard to the Pacific. Emphasis will be given to the migration of people in the Trans-Mississippi West. Prerequisite: United States History HY-151 and HY-152.

357 Idaho and the Pacific Northwest—3 credits Each semester

Political, economic and social development of the Pacific Northwest with emphasis upon the people, customs, and institutions of Idaho. Prerequisite: United States History HY-151 and HY-152.

358—Emergence of Modern America, 1877-1917—3 credits Either semester

The industrial growth of the United States; emergence as a world power; Roosevelt, Wilson, and the Progressive Era. Prerequisite: United States History HY-152.

359 Recent United States, 1917 to present—3 credits Either semester

Versailles and post-war disillusionment; boom and bust of the 20's; the Great Depression and FDR's New Deal; reappearance on the world scene; World War II and its aftermath. Prerequisite: United States History HY-152.

361, 362 Diplomatic History of the United States—3 credits Each semester

Development of diplomacy from the foundation of the Republic to the present. Attention will be given to the impact of domestic developments upon the formulation of foreign policies. Prerequisite: United States History HY-151 and HY-152.

363, 364 United States Social and Cultural History—3 credits Either semester

United States social and cultural development from colonial times to the present. Attention will be given to the nature and meaning of the United States national experience by examining customs, traditions, and intellectual developments in their historical context. Prerequisite: HY-151-152.

367-368 History of Spanish America—3 credits Each semester

First semester: The Spanish Empire in America is studied with reference to its Old World antecedents and international rivalries during the colonial period and independence struggles. Second semester: A study of the independent states of the Caribbean, Andean region, and Middle America, with consideration of the role of the U.S. and Europe in the area, and to current problems of cooperation between American neighbors. Prerequisite: History of Western Civilization HY-101 and HY-102.

498 History Seminar—2 credits Either semester

Study of a selected problem in history. Paper based on research into problem to be prepared and reported to the seminar. Required for History Major, Liberal Arts option; recommended for History Major, Secondary Education option. Prerequisite: Senior standing.

F FRENCH**Lower Division****†101-102 Elementary French—4 credits**

Each semester

This course is designed to develop the student's ability to understand spoken and written French and to express himself orally and in writing. The class is conducted entirely in French and daily assignments, include laboratory use of taped material prepared for oral practice as well as aural comprehension. The class meets five times a week.

201-202 Intermediate French—4 credits

Each semester

The conversational approach is continued in a review of grammar with practice in composition. Records and tape recordings heard in the laboratory offer further practice on structural patterns and their respective transformation with the French socio-cultural background. Modern prose is read and discussed in French. Reports are given on collateral reading. Prerequisite: Elementary French F-101 and F-102 or two years of high school French.

Upper Division**303-304 French Composition and Conversation—2 credits**

Each semester

Practical oral and written work based on extensive collateral reading. Class conducted entirely in French. Prerequisite: Intermediate French F-201 and 202 or four years of high school French.

G GERMAN**Lower Division****101-102 Elementary German—4 credits**

Each semester

This course is designed to develop the student's ability in understanding, reading, and expressing himself accurately and with a good pronunciation. Grammatical principles are developed along with the class work through repeated application rather than memorization. Idioms and pronunciation are stressed and the conversational approach is used. This class meets daily.

201-202 Intermediate German—4 credits

Each semester

Reading of German texts with the aim of developing a sound reading knowledge of German. A systematic grammar review and practice in speaking and writing, as well as reports on collateral reading, are included. Prerequisite: Elementary German G-101 and 102 or two years of high school German.

Upper Division**303-304 German Conversation and Composition—2 credits**

Each semester

Oral and written work based on extensive collateral reading. Class conducted entirely in German. Prerequisite: Intermediate German G-201 and G-202 or four years of high school German.

S SPANISH**Lower Division****101-102 Elementary Spanish—4 credits**

Each semester

Designed to provide students with minimum proficiency in the use of the Spanish language: listening and understanding, speaking, reading, and writing. The audiolingual approach is used in class as well as in laboratory practice. The class meets 5 times a week, plus a minimum of 1 hour of laboratory work weekly.

201-202 Intermediate Spanish—4 credits

Each semester

Planned to give the students a more proficient command of both the spoken and written language. The sound, structure and meaning systems of the Spanish language are treated functionally. The work comprises oral and written experiences, selected readings, and discussions on current events, coordinated with an Hispano-American socio-cultural background. Language laboratory materials are used throughout as an integral part of all phases of the instruction. Class meetings 4 times a week, plus a minimum of 1 hour of laboratory practice weekly. Prerequisite: Elementary Spanish S-101 and S-102 or two years of high school Spanish.

†A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates either course may be taken independently of the other.

Upper Division**301-302 Survey of Spanish Literature—3 credits** Each semester

A historical survey of the Spanish literature from the early Middle Ages to modern times. Reading and interpretation of major literary as well as socio-cultural trends, with assigned oral and written reports; development of powers of interpretation, critical insight. Lectures and class participation are in Spanish. Prerequisite: Intermediate Spanish S-201 and S-202.

303-304 Spanish Conversation and Composition—2 credits Each semester

Intended to further stimulate clarity, simplicity and precision in oral and written Spanish discourse, and to lay the foundations for literary studies. Prerequisite: Intermediate Spanish S-201 and S-202 or demonstrated proficiency.

401 Spanish Golden Age and the Generation of 1898—3 credits First semester

This is a specialized course that reviews the great writers of the 16th century explored against the richness of the Golden Age period, followed by the era in Spanish literature that was introduced and molded by the events of the year 1898. Lectures and class participation are in Spanish. Prerequisite: Survey of Spanish Literature S-301 and S-302 or equivalent.

403 Modern Trends in Spanish and Hispano-American

Literature—2 credits

First semester

A study of the ideas of the great thinkers of Hispano-America and Spain, in the contemporary times. Presentation and analysis of the main socio-cultural literary trends represented by romanticism, idealism, naturalism, realism, symbolism, and the modern psycho-social approach in literature. Lectures and class participation are in Spanish. Prerequisite: At least 10 credits in Upper Division Spanish courses, S-301 and S-302, S-303, and S-304.

406 The Great Writers of Latin American

Literature—3 credits

Second semester

A general and historical survey of the great writers and masterpieces representative of Latin American literature. Reading and interpretation presented orally and in writing. Lectures and class participation are in Spanish. Prerequisite: At least 10 credits in Upper Division Spanish courses, S-301 and S-302, S-303, S-304 or the equivalent.

408 Advanced Spanish Stylistics—2 credits

Second semester

Thorough survey of phonetics, phonemics, morphology and syntax. The study and analysis of models based upon short stories and specific themes. Enrichment of vocabulary, original composition, and essay planning. Lectures and class participation are in Spanish. Prerequisite: At least 15 credit hours in Upper Division Spanish courses, S-301 and S-302, S-303, S-304, S-401, S-403, S-406 or equivalent.

MA MUSIC APPLIED

Major Area practice requirements:

For 4 hrs. credit—18 hrs. practice per week

For 2 hrs. credit—12 hrs. practice per week.

Minor Area practice requirements:

For 2 hrs. credit—6 hrs. practice per week.

010 Concert Class—no credit

Each semester

All students taking applied music (MA courses) for credit are required to perform at least once each semester. The class meets weekly. Required of all full-time Music Majors and Minors, but attendance is open to any person. Minimum attendances per semester: 10 sessions for Bachelor of Music Majors; 6 sessions for Bachelor of Arts Music Majors and all Music Minors.

The following Applied Music courses are offered for students taking college credit in the instrument named. In all cases a maximum of 16 credits lower division, and a maximum of 16 credits upper division is allowed toward graduation for study in any one instrument.

Strings

171, 371	Violin—2 credits	Each semester
172, 372	Violin—4 credits	Each semester
161, 361	Viola—2 credits	Each semester
162, 362	Viola—4 credits	Each semester
121, 321	Cello—2 credits	Each semester
122, 322	Cello—4 credits	Each semester
123, 323	String Bass—2 credits	Each semester
124, 324	String Bass—4 credits	Each semester

Brass

109, 309	Applied Brass—2 credits	Each semester
110, 310	Applied Brass—4 credits	Each semester
111, 311	Horn—2 credits	Each semester
112, 312	Horn—4 credits	Each semester
113, 313	Trombone—2 credits	Each semester
114, 314	Trombone—4 credits	Each semester
115, 315	Trumpet (or Baritone)—2 credits	Each semester
116, 316	Trumpet (or Baritone)—4 credits	Each semester
117, 317	Tuba—2 credits	Each semester
118, 318	Tuba—4 credits	Each semester

Woodwinds

189, 389	Applied Woodwinds—2 credits	Each semester
190, 390	Applied Woodwinds—4 credits	Each semester
191, 391	Bassoon—2 credits	Each semester
192, 392	Bassoon—4 credits	Each semester
193, 393	Clarinet—2 credits	Each semester
194, 394	Clarinet—4 credits	Each semester
195, 395	Flute—2 credits	Each semester
196, 396	Flute—4 credits	Each semester
197, 397	Oboe (or English Horn)—2 credits	Each semester
198, 398	Oboe (or English Horn)—4 credits	Each semester
199, 399	Saxophone—2 credits	Each semester
200, 400	Saxophone—4 credits	Each semester

Organ

131, 331	Organ—2 credits	Each semester
132, 332	Organ—4 credits	Each semester

Piano

150	Piano Class—1 credit	Each semester
Maximum 2 credits allowed.		
For music majors only; or by special permission of the department chairman.		
151, 351	Piano—2 credits	Each semester
152, 352	Piano—4 credits	Each semester

Percussion

141, 341	Percussion—2 credits	Each semester
142, 342	Percussion—4 credits	Each semester

Voice

180	Voice Class—1 credit (Maximum 2 credits)	Each semester
For music majors only; or by special permission of the department chairman.		
181, 381	Voice—2 credits	Each semester
182, 382	Voice—4 credits	Each semester

445 Recital—2 credits

Either semester

Applied music majors may elect to perform a solo recital for two credits prior to the required senior solo recital at any time subsequent to the freshman year. The student must have permission of his teacher and the Chairman of the music department.

446 Senior Recital—2 credits

Either semester

Students majoring in applied music or composition will be required to present a senior recital on their major instrument or of their compositions. Prerequisite: Three years or its equivalent of study in the area.

MU MUSIC, GENERAL**Lower Division****101 Music Fundamentals—2 credits**

Either semester

Primarily for Education Department students, but open to all non-music majors. Learning to read music through study of music notation symbols. Study of all scales and keys, major and minor, and elementary chord structures. Basic conducting patterns are learned and practiced. A remedial course for music majors.

103-104 Music Literature—3 credits

Each semester

An elective course open to all students. It gives the student opportunity to hear musical masterworks and to converse intelligently about them. Cultural and historical significance of the music is discussed. Required of music majors.

111-112 Beginning Harmony—3 credits

Each semester

The subject matter is approached through its evolutionary and historical development. The course begins with study of Ancient Church Modes and organum. Two part sixteenth century counterpoint in its five species is studied, followed by three part harmony and four part harmony. Harmonic style is based on the contrapuntal-harmonic chorale techniques of J. S. Bach. Triads and seventh chords and their inversions are studied in depth. Chord analysis, modulation to near related keys, auxiliary and passing tones and suspensions are learned. Prerequisite: Students enrolling (1) must have passed the pre-harmony exam with a grade of 70 or better and (2) must concurrently enroll in piano or organ or have had previous piano study to at least the standard third grade level of achievement (see p. 51, No. 4).

121-122 Beginning Ear Training—1 credit

Each semester

A course designed to correlate with Beginning Harmony MU-111 and MU-112 and which emphasizes auditory training in scales (including the modes and major and minor) and all intervals. The course includes drill in solfeggio and sight singing leading up to aural recognition of 3-part and 4-part harmonic structures. Two hours per week. Prerequisite: Previous or concurrent enrollment in Beginning Harmony, MU-111 and MU-112.

133 Introduction to Music—3 credits

Either semester

An elective course open to all students and fashioned to familiarize the listener with a variety of musical expression. The emphasis is laid upon the enjoyment of music through the understanding of recorded and live music. For music majors, this course is not a substitute for Music Literature.

140 Meistersingers (Choir)—1 credit

Each semester

Essentially a course in unaccompanied singing. Open to all college students, but an audition is required for participation in the course. The choir tours annually. Maximum 4 credits.

145 Opera Workshop—1 credit

Each semester

A course in the study and production of operas. Maximum 4 credits. Required of voice majors.

150 Instrumental Ensemble—1 credit

Each semester

A course designed to promote playing in small ensembles. A public performance is required each semester. Maximum 4 credits.

153 Orchestra—1 credit

Each semester

The Boise State College Community Symphony is composed of students and experienced musicians of the community and prepares several concerts each season from the standard symphonic repertoire. An elective for non-music majors. Audition required of new students. Maximum 4 credits.

- 155 Band—1 credit** Each semester
An elective open to all students who can play a band instrument. Maximum 4 credits.
- 157 Accompanying—1 credit** Each semester
Practical experience in accompanying vocal and instrumental students. Open to keyboard students with sufficient technique. Maximum 2 credits.
- †211-212 Advanced Harmony—3 credits** Each semester
This course completes the study of the contrapuntal-harmonic techniques used in the Bach Chorales begun in Beginning Harmony. Added to harmonic material already studied are the uses of altered chords, including the augmented sixth chords and Neapolitan sixth, non-chord tones and remote modulations. The student is expected to harmonize chorale melodies in the style of J. S. Bach by the time the course is completed. Most of the second semester will be used in the study of chords used since Bach and in establishing a foundation for writing in a contemporary style. Prerequisite: Beginning Harmony MU-111 and MU-112.
- 221-222 Advanced Ear Training—1 credit** Each semester
A continuation of Beginning Ear Training; the student will take dictation in more advanced rhythms, solfeggio and dictation in two, three, and four parts. Students will be expected to play at the keyboard, the more simple forms of the basic chords in four parts. Prerequisite: Beginning Harmony MU-111 and MU-112, Beginning Ear Training MU-121 and MU-122, and at least one year of piano, or concurrent piano study.
- 259-260 String Instrumental Techniques and Methods—1 credit** Each semester
Primarily for Music Education majors, this course deals with methods and materials of string class teaching in public schools, while providing the student a basic performing technique on two or more of the orchestral string instruments.

Upper Division

- 301 Percussion Techniques and Methods—1 credit** Either semester
This class is designated to meet the needs of students majoring in Music Education and will serve to familiarize and train the student in the use of the normal percussion instruments found in public school work.
- 303-304 Music History—2 credits** Each semester
A survey course designed to familiarize the student with the broad history of music from its earliest times to the present day. Prerequisite: Music Literature MU-103 and MU-104 and Beginning Harmony MU-111 and MU-112.
- 313-314 Keyboard Harmony and Basic Improvisation—2 credits** Each semester
The student will learn to play in strict four part harmony from figured basses and melodies, from unfigured basses and melodies, to modulate, to play familiar tunes in four parts in various keys and be instructed in the basic materials for improvising at the piano and organ. Prerequisite: Beginning Harmony MU-111 and MU-112, and Beginning Ear Training MU-121 and MU-122 for students majoring in piano or organ. For non-keyboard majors, the student must have had one to two years piano study.
- 321-322 Counterpoint—2 credits** Each semester
A study of the 16th century composition techniques. The C clefs will be used and the student will write in two, three, and four parts, using the five classic species of counterpoint. If time permits the writing will be extended to include five and six parts and original compositions in the style. Prerequisite: Advanced Harmony MU-211, 212. Completion of MU-221 and MU-222 is desirable.
- 340 Meistersingers—1 credit** Each semester
Essentially a course in unaccompanied singing. Open to all college students, but an audition is required for participation in the course. The choir tours annually. Maximum 4 credits.

†A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates either course may be taken independently of the other.

- 345 Opera Workshop—1 credit** Each semester
A course in the study and production of operas. Permission of instructor required to register for course. Maximum 4 credits.
- 350 Instrumental Ensemble—1 credit** Each semester
A course designed to promote playing in small ensembles. A public performance is required each semester. Maximum 4 credits.
- 353 Orchestra—1 credit** Each semester
The Boise State College Community Symphony is composed of students and experienced musicians of the community and prepares several concerts each season from the standard symphonic repertoire. An elective for non-music majors. Audition required of new students. Maximum 4 credits.
- 355 Band—1 credit** Each semester
An elective open to all students who can play a band instrument. Maximum 4 credits.
- 357 Accompanying—1 credit** Each semester
Practical experience in accompanying vocal and instrumental students. Open to keyboard students with sufficient technique. Maximum 2 credits.
- 359-360 Brass Instrumental Techniques and Methods—1 credit** Each semester
Primarily for Music Education majors, this course deals with methods and materials of teaching the various brass instruments in the public schools, while providing the student with a basic performing technique on two or more of the brass instruments.
- 361-362 Conducting—2 credits** Each semester
An intensive course in baton technique, score reading, and choral and instrumental conducting. The class and larger ensemble groups are used as laboratories for conducting experience. Prerequisites: Beginning Harmony, Beginning Ear Training, Music Literature, One year of Applied Piano or equivalent.
- 363, 364 Woodwind Instrumental Techniques and Methods—1 credit** Each semester
Primarily for Music Education majors, this course deals with methods and materials of teaching the various woodwind instruments in the public schools, while providing the student with a basic pedagogical technique on two or more of the woodwind instruments.
- 371 Public School Music—2 credits** Either semester
Materials, methods and problems relating to classroom music in grades one through six. Prerequisite: Music Fundamentals MU-101 or equivalent.
- 385-386 Choral Methods and Materials—1 credit** Each semester
Designed for Music Education majors who will teach vocal groups in junior and senior high schools. A practical workshop in selection and conducting choral materials.
- 411-412 Form and Analysis—2 credits** Each semester
The student will analyze the harmonic and formal structures of representative works of standard musical literature of the Baroque, Classic, Romantic, Post Romantic and Contemporary periods. Prerequisite: Advanced Harmony MU-211 and MU-212; MU-321 and MU-322 strongly recommended, but not required, prior or concurrent to enrollment.
- 413-414 Continuo Realization and Improvisation—2 credits** Each semester
Designed especially for organists and composition majors; other students may enter by permission of instructor. Special attention will be given to improvising the harmonies from the figured basses in the choral scores of the Baroque Period. Original work in improvisation will also be stressed. Prerequisite: Keyboard Harmony and Basic Improvisation MU-313 and MU-314.
- 421 Canon and Fugue—2 credits** First semester
An analytical study of the formation of canons and fugues. The student will study and write canons and canonic devices at all intervals. Fugal expositions, and complete fugues will be studied and written in three and four voices. Prerequisite: Advanced Harmony MU-211 and MU-212, and Counterpoint MU-321 and MU-322.

453-454 Orchestral and Choral Arranging—2 credits Each semester

A required course for Theory and Composition majors, and an elective for other music students. The student will arrange for various orchestral and vocal combinations. Prerequisite: Beginning Harmony MU-111 and MU-112, and Advanced Harmony MU-211 and MU-212.

475-476 Music Composition—2 credits Each semester

Designed for Theory and Composition majors. The course instructs the student to compose in the larger forms, as well as in the simpler ones. Composing for various instruments and voices will be explored. Prerequisite: Beginning Harmony MU-111 and MU-112, Advanced Harmony MU-211 and MU-212 and Counterpoint MU-321 and MU-322. Non-composition majors may register with permission of the instructor.

498 Music Seminar—2 credits Second semester

A Seminar project, under faculty direction for students majoring in Theory and Composition. The theory and composition student may meet these requirements with a recital of original compositions. Prerequisite: Senior standing.

AN ANTHROPOLOGY**Lower Division****201 Physical Anthropology—3 credits** First semester

An introduction to the fossil evidence for human evolution, population genetics, human variation, and the study of living primates with emphasis on behavior.

202 Cultural Anthropology—3 credits Second semester

The meaning of culture; its significance for human beings; similar and diverse forms and degrees of elaboration of culture in relation to technology, economic systems, social organization, values and beliefs.

Upper Division**301 Primitive and Peasant Peoples of the World—3 credits** Second semester

A cultural study of non-industrial people throughout the world, with emphasis on economics, social organization, and subsistence patterns. Prerequisite: Cultural Anthropology, AN-202.

303 Old World Prehistory—3 credits Either semester

A review of the "stone age" (Paleolithic, Mesolithic, and Neolithic) cultures of Europe, Africa, and the Middle East. Prerequisite: Cultural Anthropology, AN-202.

307 Indians of North America—3 credits Either semester

A general survey with emphasis on the description and analysis of native cultures and the role of environment and historical factors in North America. Prerequisite: Cultural Anthropology AN-202.

341 Principles of Archeology—3 credits First semester

Development of archeology as an anthropological study; objectives and methods of modern archeology; prehistory and growth of culture; origins and early development of civilization in the Old and New Worlds. Prerequisite: Cultural Anthropology AN-202.

GG GEOGRAPHY**Lower Division****101 Introduction to Geography—3 credits** Either semester

A comprehensive survey of various environments of man in a study of world patterns and major regions with emphasis on the utilization of globes, interpretation and construction of maps. The course introduces basic concepts and techniques used in geography, utilization of natural resources, distribution of population and outstanding problems of each region.

PY PHILOSOPHY**Lower Division**

101 Introduction to Philosophy—3 credits Each semester
The main problems in philosophy. Selected readings from the works of several major philosophers.

211 Ethics—3 credits First semester
The development of ethical thought, with the object of deriving a standard for governing individual and social conduct.

221 Logic—3 credits Second semester
Valid and invalid methods of reasoning with special attention to the function of logic in the methods of science. Prerequisite: Sophomore standing or Introduction to Philosophy PY-101.

231 Philosophy of Religion—3 credits Spring semester
An inquiry into the nature of religious belief, the concept of God, the problem of evil and representative ideas of great religions. Prerequisite: PY-101 or PY-211.

PO *POLITICAL SCIENCE**Lower Division**

101 Federal Government—3 credits First semester
A study of the institutions and processes of the American political system; emphasizing the social, ideological, and constitutional background.

102 State and Local Government—3 credits Second semester
A study of the institutions and processes of state and local government with emphasis on constitutionalism, legislatures, governors, and reapportionment.

211 Model United Nations Study Group—1 credit Second semester
The study group will deal with practical aspects of the United Nations. The group will meet weekly at the outset, twice weekly as necessary prior to and in preparation for the annual session of the Model United Nations of the Far West which meets in a western city or campus. Boise State College will represent an assigned nation at the General Assembly and as a member of U.N. Committees. Members of the study group will be selected by the instructor from students taking political science in first or second semester who demonstrate an interest by participating in the College's International Relations Club. The group will be required to prepare a consolidated report on its participation in the Model United Nations following the session.

Enrollment is limited to ten students of which at least seven will comprise conference delegation. These students should be prepared to meet part of the moderate cost of transportation to and expenses at the Conference, the College meeting conference fee, and approximately one-half of other expenses (2 credits maximum—consecutive years.)

221 Voting Behavior and Public Opinion—3 credits First semester
The course will explore the development of public opinion and electoral behavior. Empirical research from a variety of fields will be used in an attempt to understand and analyze the factors that mold popular attitudes and political behavior.

222 Legislative Behavior—3 credits Second semester
An analysis of the behavior of American state and national legislatures. Special consideration will be given to the impact of constituencies, parties, interest groups, interpersonal relations, and other related factors upon legislators, and the role of the legislature in the American political system.

*Credit in Political Science may be granted for course PA-301 Introduction to Public Administration or for course PA-401 Constitutional Law. Course descriptions can be found in Part IV School of Business and Public Administration.

231 International Relations—3 credits

Either semester

A study of the nature of relations among nations with particular reference to contemporary international issues; an analysis of motivating factors including nationalism, imperialism, communism, a study of the problem of national sovereignty and its relation to international cooperation. Prerequisite: PO-101.

Upper Division**301 American Politics—3 credits**

First semester

A comprehensive study of the total American Political System. Special consideration will be given to both past and present political trends with the objective of understanding their probable impact on future developments. Prerequisite: One semester of Federal Government, PO-101.

311 World Politics—3 credits

Second semester

A survey of recent international politics; foreign policies and objectives of the world's major powers; analysis of current international problems. Theories of international politics. Prerequisite: International Relations PO-111 or Federal Government PO-101.

321 Comparative Government in Europe—3 credits

First semester

A study of the institutions and processes of major European political systems; England, France, Germany, and the Soviet Union. Prerequisite: Federal Government PO-101 or International Relations PO-111.

322 Comparative Government in the**Western Pacific—3 credits**

Second semester

Social, economic and political history of China, Japan, Korea, and South-east Asia. Includes development of Russia as an Asiatic power, as well as the role of Western powers in the Far East. Influence of Communist China. Prerequisite: International Relations PO-111 or Comparative Government in Europe PO-321.

SO *SOCIOLOGY**Lower Division****101 Introduction to Sociology—3 credits**

Each semester

Introduction to the sociological perspective; analysis of the basic elements of human groups and societies; culture, social organization, socialization; inequality, and population.

102 Social Problems—3 credits

Each semester

Application of the sociological perspective to contemporary problems associated with the structure of American society. Prerequisite: Introduction to Sociology SO-101 or General Psychology P-101.

121 Preparation for Marriage and Family Life—2 credits

Each semester

A study of the factors that are likely to be of some practical help for young people in the selection of a marriage partner and in making the necessary adjustments of marriage and family life. Open to all college students.

250 Population—3 credits

Either semester

The theory of population from Malthus to the present. (1) Social factors that influence population size, such as birth control and inadequate housing; (2) composition of the population; past and present trends of populations. Prerequisite: Introduction to Sociology SO-101.

Upper Division**305 Racial and Cultural Minorities—3 credits**

Second semester

Analysis of inter-ethnic contacts with emphasis on the American Negro. The development of racial attitudes; theories relating to causal factors of prejudice and discrimination. Prerequisite: Introduction to Sociology SO-101 or General Psychology P-101.

*Credit in Sociology may be awarded for the course P-331, Social Psychology listed with the Psychology courses. See Part V School of Education.

- 311 Social Research—3 credits** Second semester
An introduction to the empirical basis of modern sociology; methods of research design and the statistical analysis of social data. Prerequisite: Introduction to Sociology SO-101 and Statistical Methods P-305.
- 321 American Society—3 credits** First semester
An analysis of American society in terms of the growth, structure, and change of its major social institutions; economy, government, religion, education and family. Prerequisite: Introduction to Sociology SO-101.
- 331 Deviant Behavior and Social Control—3 credits** Second semester
An analysis of the forms and causes of social deviancy, how social systems control behavior through the socializing process, the sanction system and the allocation of prestige and power. Prerequisite: Introduction to Sociology SO-101. This course may be used as either Sociology or Criminology credit.
- 351 Social Institutions—3 credits** Either semester
Study of the basic institutions. An analysis of values, norms, and behavior organized around the important goals of society. Prerequisite: Introduction to Sociology SO-101.
- 361 Industrial Sociology—3 credits** Either semester
Study of the social organization of work with attention to internal human relations and to the external relations in the community. Prerequisite: Introduction to Sociology SO-101.
- 401 History of Sociology—3 credits** Fall semester
Presociological perspectives on society from ancient times to the present. Relationships of social thought and social structure. Theories of selected sociologists. Prerequisite SO-101.
- 402 Current Sociological Perspectives—3 credits** Spring semester
Major theoretical issues in contemporary sociology; works of leading contemporary sociologists. Prerequisite: SO-101.
- 415 Juvenile Delinquency—3 credits** First semester
A study of causation, treatment, and control of juvenile delinquency. Prerequisite: Introduction to Sociology SO-101. This course may be used as a Sociology or Criminology credit.
- 417 Criminology—3 credits** Second semester
Crime, criminals, and control. Prerequisite: Introduction to Sociology SO-101. This course may be used as a Sociology or Criminology credit.
- 421 Social Stratification—3 credits** Second semester
Examination of the theoretical and methodological problems in the study of the wealth, prestige and power distribution of local and national stratification systems; implications for the functioning of communities with emphasis on the problems of poverty. Prerequisite: Sociology SO-101.
- 424 Rural Sociology—3 credits** Spring semester
Sociology as especially applied to the phenomena of rural life—study of the rural community. Prerequisite: Introduction to Sociology SO-101.
- 425 The Urban Community—3 credits** First semester
An examination of the changing growth, demographic, stratification and institutional structure of urban communities; the causes of urbanization and its consequences for individual and group interaction. Prerequisite: Introduction to Sociology, SO-101.

SW SOCIAL WORK

Lower Division

- 101 Introduction to Social Work—3 credits** Each semester
Survey of the field of social welfare, and the need for social services in society. Social work function, and career opportunities.

†A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates either course may be taken independently of the other.

Upper Division

- 301 Social Welfare—3 credits** Fall semester
 Social welfare as an institution. Evolution of that institution from medieval times to the present. Origin of attitudes. Man and his needs; public vs. private social responsibility. Prerequisite: Introduction to Sociology, SO-101. Two hours volunteer service per week required.
- 302 Community Planning and Community Organization—3 credits** Spring semester
 A study of community structure, organization and attitudes. Techniques for understanding communities; methods of working in communities. Prerequisite: SO-101 and SW-301.
- 321 Normal Social Functioning—3 credits** Each semester
 A review of human behavior with special emphasis on observation and understanding for social workers.
- 402 Social Work Methods—3 credits** Fall semester
 An examination of skills employed to serve individuals, groups, and communities: Interviewing, case work, group work, case recording. Prerequisite: SW-301, SW-401.
- 403 Philosophy of Social Work—3 credits** Spring semester
 Human behavior for social workers. Relating the behavioral sciences to the case work and group method. Prerequisite: SO-101, SW-301, 302.
- 421-422 Field Work—3 credits** Each semester
 Six hours per week in an agency field placement plus two-hour seminar to integrate theory with practice. Prerequisite: SW-301. Concurrent enrollment in SW-401 (Fall semester) and in SW-402 (Spring semester).
- 451 Group Interaction—3 credits** Spring semester
 Dynamics of group behavior. Understanding group interaction and the processes of working with groups. Prerequisite: SW-301; SW-402.

SP SPEECH**Lower Division**

- 102 Professional Speech Communication—2 credits** Each semester
 A course designed especially for two-year pre-professional curricula. Theory and principles involved in oral communication situations in the professional world: speechmaking, conferences, interpersonal relations, with a practical approach to the principles of extemporaneous speaking.
- 111 Fundamentals of Speech—3 credits** Either semester
 Fundamental principles of public speaking; audience analysis; interest and attention factors; listening; selection and organization of speech material; delivery. Practice in preparation and delivery of extemporaneous speeches. Students may not earn credits in this course and in Professional Speech Communication SP-102.
- 112-113 Argumentation and Debate—3 credits** Each semester
 Introduction to Argumentation and Debate and the role of each in a free society. Preparation for and participation in phrasing and analyzing propositions; briefing and presenting evidence; studying persuasion, refutation, fallacies of argument; and oral and written presentation of formal debates.

- 114 Intercollegiate Debate—1 credit** Each semester
Preparation for and participation in competitive debate using the current intercollegiate debate topic. Prerequisite: SP-112 and 113 or permission of the instructor.
- 121 Voice and Diction—3 credits** Either semester
Study of the vocal mechanism, voice quality, pitch, rate, volume, and intensity in the production of speech. Phonetics used as a base for acquiring skill in articulation of standard American speech. An investigation of the student's individual speech problems.
- 211 Intermediate Speech—3 credits** Either semester
A concentrated application of the basic principles of speech with emphasis on: speech construction; investigation and presentation of special types of speech, i.e., sales, after-dinner, good will, special occasion; acquisition of a personal speech style; and a working knowledge of the allied techniques of debate, discussion, and parliamentary procedure. Prerequisite: Fundamentals of Speech SP-111 or SP-102 with permission of the instructor.
- 241 Fundamentals of Oral Interpretation—3 credits** Either semester
Practice in reading prose, poetry, and drama to help the student determine the logical and emotional meaning of a selection and project that meaning to his listeners. A portion of the time is spent in voice development.

Upper Division

- 304 Advanced Oral Interpretation—3 credits** Spring semester
Oral reading of more advanced levels of literature, with emphasis on techniques of impression and expression. Prerequisite: Fundamentals of Oral Interpretation.
- 306 Reader's Theatre—3 credits** Spring semester
Study and preparation of selected dramatic works with emphasis on development of advanced skills and appreciation—both individual and group performance. Prerequisite: Advanced Oral Interpretation.
- 311 Speech for Teachers—3 credits** Either semester
A course to improve prospective teachers' command of the communication processes used in effective teaching: emphasis on situations that confront teachers, instruction in phonetic analysis of American English speech sounds, assistance in self-improvement through the mastery of speech methods.
- 321 Rhetoric—3 credits** Either semester
A study of the arrangement of words for the desired effect upon the hearer. A review of the history and theory of rhetorical criticism.
- 331 History of Public Address—3 credits** Fall semester
A study of great addresses throughout history. An evaluation of the address, the spokesman, the historical context in which they spoke, their ideas and the effect of their advocacy on society.
- 332 Contemporary American Address—3 credits** Spring semester
A continuation of Public Address covering the United States in the years 1900 to present.
- 405 Discussion Techniques—3 credits** Either semester
Special attention is directed to procedures, evidence, fallacies and types of reasoning within the framework of conferences, panels and group discussions. Prerequisite: Upper Division Standing.
- 411 Speech Analysis and Improvement—2 credits** Either semester
Study of normal speech and language development; descriptions of the various types of speech and voice disorders of speech-handicapped school children; role of the classroom teacher in speech correction. Prerequisite: Speech for Teachers SP-311.
- 451 Speech Practicum—3 credits** Fall semester
Principles and practice in public speaking beyond that considered at the beginning and intermediate levels. Participation in collegiate forensics would be encouraged. Emphasis on organization and refinement of speech content and delivery. The delivery of public addresses. Speech major—Senior standing.

J JOURNALISM**Lower Division****104 Introduction to Mass Communications—2 credits** Second semester

A thorough analysis of communications in the modern world. Discussion of the role of the various kinds of media, and the strengths and drawbacks of each. An opening course for those who wish a general understanding of newspapers, magazines, radio-tv. Visits to examples of each media in the locality will be arranged. Prerequisite: A grade of "C" or better in the first semester in English Composition.

203-204 Reporting and News Writing—3 credits Each semester

Fundamentals of reporting, from techniques of interviewing and fact-gathering through the construction of the news story. Emphasis will be placed on accuracy, conciseness and clarity in writing. Includes study of elements of newspaper styles—usage, grammar, punctuation, capitalization—and the use of copyreading symbols. Prerequisite: Introduction to Mass Communications or consent of instructor, and ability to use typewriter.

211 Supervision of School Publications—2 credits Spring semester

For prospective teachers who plan to be advisers of school newspapers and yearbooks, a study of fundamentals in writing, layout and management of scholastic publications.

301 Student Publications Techniques—2 credits Each semester

A survey of techniques of writing, editing, layout and design. Students without formal training or experience in journalism will develop skills in newspaper production both by class work and by work on the student newspaper. Students will meet in regular class and lab sessions under the supervision of the instructor.

303 Yearbook Techniques—1 credit Spring semester

Techniques of layout, planning, picture sizing and writing copy for yearbooks. Recommended for members of the LesBois staff and for students preparing to be publications advisors. Not intended for production of a yearbook.

311 Copyreading and Editing—3 credits Fall semester

Techniques of reading newspaper copy; the use of proper copyreading symbols; laboratory work in editing and rewriting copy for publication. Prerequisite: Reporting and News Writing.

405 Radio-TV Newswriting—2 credits Fall semester

Practice writing of radio-tv news, including timing and arrangement of material, adding script to film, techniques for condensing stories . . . deciding the importance of story material. Preparation of "headlines," five and 10 minute broadcasts. Prerequisite: Reporting and Newswriting J-203-204.

408 Public Relations—3 credits Spring semester

Analysis of public relations media and methods. Public relations as a management tool. Identifying and reaching the various publics. Practice in writing publicity releases.

DR DRAMA THEATRE, RADIO and T.V.**Lower Division****107 Introduction to Drama—3 credits** Each semester

A survey course designed to stimulate an appreciation of drama and allied art forms, through the study of the history of theatre, dramatic literature and techniques.

108 Introduction to Broadcasting—3 credits Fall semester

Lecture and discussion of social aspects of radio and television broadcasting; among subjects to be considered are history of broadcasting, the FCC and the public interest, international broadcasting, sponsors, networks, rating services, and standards of criticism.

109 Radio Production—3 credits Spring semester

Lecture in radio skills, and practical experience on college radio station. Operation of radio equipment, exercises in reading various types of radio copy, projects in production of various types of radio programs. Prerequisite: DR-108, Introduction to Broadcasting.

110 Production Fundamentals—3 credits Fall semester

A course primarily for drama majors to provide a practical working knowledge of all basic theatre concepts, materials, terminology, and tools necessary for the serious student of drama. Offered each Fall.

- 114 Theatre History—3 credits** Spring semester
A survey course for drama majors to provide background, appreciation, and terminology through the study of theatre history and a few selected plays. Offered each Spring.
- 115-116 Acting—3 credits** Each semester
Training of the fundamental attitudes necessary in acting e.g. focus, imagination, objectives, characterization, through the use of improvisation. The analysis and preparation of dramatic roles utilizing modern realistic acting styles.
- 117 Technical Theatre (Scenery Emphasis)—3 credits** Fall semester
Theory and practice of theatre production in areas of scene design and construction and property design and construction, especially for thrust and arena type stages. Introduction to new set materials e.g. plastics, glues, resins, etc. Two hours lab per week required plus assisting on technical crew for one production.
- 118 Technical Theatre (Lighting Emphasis)—3 credits** Spring semester
Theory and practice of theatre production in area of stage lighting, involving basic principles of electricity; nature and use of different instruments; types of control; effects of color; methods of procedure. Two hours lab per week required plus assisting in lighting one production.
- 121 Theatre Speech—3 credits** Either semester
Techniques and practice in the use of the voice in the theatre with emphasis on diction, projection, and vocal flexibility, as applied in work with actual scenes, prerequisite: Voice and Diction.
- 122 Theatre Movement—2 credits** Either semester
Movement, rhythm, and dynamics for the actor, including a study of dance forms. The organization of movement to express emotion and character stressing actor's use of stage space.
- 131 Major Production Participation—1 credit** Either semester
Significant participation in a major college production in some phase of technical theatre or acting or management. One hour of credit allowed per semester, maximum 4 credit hours. Freshmen not eligible.

Upper Division

- 311-312 Acting of Period Plays—3 credits** Each semester
A survey, laboratory course of historic manners and movement with particular attention to their interrelationship with historic costume. The theory and practice of acting period styles with emphasis on Greek, Elizabethan, and Restoration styles of acting. Prerequisite: Acting, Theatre Movement.
- 331 Major Production Participation—1 credit** Either semester
Significant participation in a major college production in some phase of technical theatre or acting or management. One hour of credit allowed per semester, maximum 4 credit hours.
- 390 Workshop in Theatre—2 credits** Summer Session
An intensive eight-day session in drama which provides maximum exposure to all phases of drama in the shortest possible time. Aimed primarily at high school teachers who have little or no training in theatre techniques. Specific topics, announced in summer bulletins, could make this valuable for experienced drama teachers also. Prerequisite: High school teaching, or contract to teach in high or junior high school.
- 401-402 Directing—3 credits** Each semester
Basic theory and techniques of stage directing. Includes the direction of scenes and one-act plays. Special problems in directing are presented. Prerequisite: Upper Division standing.
- 430 Technical Practicum—3 credits** Either semester
A comprehensive technical project in which student designs and executes either a stage setting, or a stage lighting, or costuming for a major school play or a special student project. This is followed by a formal critique by faculty. Drama major—Senior standing.
- 451 Directing Practicum—3 credits** Either semester
A comprehensive course embracing entire spectrum of theatre arts and skills in which a senior student selects, directs, and presents a complete dramatic production, which is followed by a formal critique by faculty. Drama major—Senior standing.

DIVISION OF SCIENCE AND HEALTH

CHAIRMAN: Donald J. Obee, Ph.D.

Departments and Faculty

DEPARTMENT OF BIOLOGY

Dr. Fritchman, Chairman

Professors: Obee, Fritchman

Associate Professors: Wyllie

Assistant Professors: Baker, Belknap, Fuller, Kelley, Papenfuss

Technician: Moore

DEPARTMENT OF CHEMISTRY

Mr. Dalton, Chairman

Professor: Spulnik

Associate Professors: Dalton, Emerson, Hibbs, Peterson

Assistant Professor: Banks

DEPARTMENT OF EARTH SCIENCE

Dr. Warner, Chairman

Associate Professor: Warner

Assistant Professor: Hollenbaugh

Instructor: Wilson

DEPARTMENT OF HOME ECONOMICS

Mrs. Allison, Chairman

Associate Professor: Allison, Moore

DEPARTMENT OF MATHEMATICS

Dr. Maloof, Chairman

Professor: Maloof

Associate Professors: Hunt, Winans

Assistant Professors: Bradford, Frederick, Jacobsen, Kerr,

Smartt, Takeda, Tucker, Ward, Young

Instructor: Ott

DEPARTMENT OF PHYSICS, ENGINEERING AND PHYSICAL SCIENCE

Dr. Newby, Chairman

Professor: Dahm

Associate Professors: Hahn, Keller, Stark

Assistant Professors: Luke, Newby

DEPARTMENT OF REGISTERED NURSING AND HEALTH SERVICES

Miss Miles, Chairman

Associate Professor: Miles

Assistant Professors: Kelly, Keller

Instructors: Crowson, Fountain, Matson, Thomason,

Truby, Fleming, Rockne, Carey

NOTE: In addition to the above, personnel from the local medical association and the State Health Laboratory serve as guest lecturers and part-time instructors.

In this complex, diversified and automated world, man is constantly seeking truth. This search is enhanced by knowledge. The acquiring of knowledge must begin with a thorough study and understanding of fundamental principles and concepts.

Recent advances and discoveries in the scientific world have lead to technological progress that has changed man's environment. The Division of Science and Health is dedicated to help man understand and function in this changing world.

OBJECTIVES

1. To offer programs of study leading to a baccalaureate degree in Chemistry, Earth Science, Mathematics, Biology, Environmental Health, Pre-Medical and Pre-Dental and Medical Technology.
2. To offer undergraduate programs in Engineering, Physics, Home Economics, Forestry, Wildlife Management and Nursing.
3. To offer elective and service courses for students majoring in other schools.
4. To offer a program of study in the Sciences for the secondary school teacher.

DEPARTMENT OF BIOLOGY REQUIREMENTS FOR BIOLOGY MAJOR

I. BACHELOR OF SCIENCE OPTION

1. General College and Baccalaureate Degree Requirements see pages 31-33.
2. Major Requirements.
 - A. Biology 45 credits
 1. Advanced General Biology 10
 2. Biology — any two courses 6-9
 - Bacteriology 5
 - Ecology 3 or 4
 - Evolution 3
 - Genetics 3 or 4
 3. Physiology — one course 4
 - Plant Physiology 4
 - Mammalian Physiology 4
 4. Invertebrate Zoology—one course 4
 - Entomology 4
 - Invertebrate Zoology 4
 5. Natural History — two courses 8
 - Systematic Botany 4
 - Vertebrate Natural History 4
 6. Morphology—two courses, plant and animal 7-8
 - Comparative Anatomy 4
 - Plant Anatomy 3
 - Plant Morphology 4
 - Vertebrate Histology 4
 - Vertebrate Embryology 4
 7. Biology Seminar—1 semester 1
 8. Biology electives to total 45 credits.
 - Any of the above courses or Mam-
malogy, Microtechnique, Ornitholo-
gy, Parasitology or Ichthyology.
 - B. Chemistry 16 credits
 1. General Chemistry 10
 2. Elementary Organic Chemistry 6
 - C. Mathematics 10 credits
 1. Mathematics 111-112 or 105-106 10
3. Recommended Electives 25 credits
 1. Physics
 2. Earth Sciences
 3. Chemistry
 4. Language

II. SECONDARY EDUCATION OPTION

1. General College and Baccalaureate Degree Requirements see pages 31-33 32 credits
2. Major Requirements:
 - A. Biology 40 credits
 - The same as for Biology Major except that the student will take one course from Biology Area 6 above

B. Chemistry	16 credits
The same as for a Biology Major	
C. Mathematics	8-10 credits
M-105-106 or M-111-112	
3. Recommended Electives	10-12 credits
The same as for a Biology Major	
4. Education Requirements	20 credits
Foundations of Education	
Educational Psychology	
Secondary School Methods	
Secondary Student Teaching	
Education Electives	

BIOLOGY MAJOR
Bachelor of Science
 (Suggested Program)

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Junior Year:		
English Composition	3	3	Biology Electives	10	10
General Chemistry	5	5	Other Electives	5	5
Mathematics	5	5			
History	3	3		15	15
Physical Ed. Activities	1	1			
	17	17			
Sophomore Year:			Senior Year:		
Adv. General Biology	5	5	Biology Seminar	1	—
El. Organic Chemistry	3	3	Biology Electives	7	7
Area I Electives	3	3	Other Electives	7	8
Area II Electives	3	3			
Literature	3	3		15	15
	17	17			

BIOLOGY MAJOR
SECONDARY EDUCATION OPTION
Bachelor of Science
 (Suggested Program)

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Junior Year:		
English Composition	3	3	Vertebrate Natural Hist.	4	—
General Chemistry	5	5	Introduction to Art	3	—
Mathematics	4-5	4-5	Foundations of Education	3	—
Minor Area Elective	3-4	3-4	Biology Electives	4	7-8
Physical Ed. Activities	1	1	Systematic Botany	—	4
	16-18	16-18	Electives	3	2-3
			Introduction to Music	—	3
				17	16-18
Sophomore Year:			Senior Year:		
Adv. General Biology	5	5	Biology Electives	11-12	—
El. Organic Chemistry	3	3	Biology Seminar	1	—
History	3	3	Other Electives	3	—
Literature	3	3	Educational Psychology	—	3
General Psychology	3	—	Secondary Teach. Meth.	—	3
Elective	—	3	Audio-Visual Aids	—	2
	17	17	Student Teaching	—	6
				15-16	14

*Technical Drawing may be taken either semester.

FORESTRY AND WILDLIFE MANAGEMENT

Freshmen Year:	1st Sem.	2nd Sem.	Sophomore Year:	1st Sem.	2nd Sem.
English Composition	3	3	Principles of Econ.	3	3
Intro. to Gen. Chem.	4	4	General Physics	4	4
General Forestry	—	2	Advanced General Biology	5	5
Mathematics	5	5	Systematic Botany	—	4
Speech	2	—	*Technical Drawing	2	—
Physical Ed. Activities	1	1	Plane Surveying	3	—
	15	15		17	16

DEPARTMENT OF CHEMISTRY REQUIREMENTS FOR CHEMISTRY MAJOR

I. Liberal Arts Option:

1. General College and Baccalaureate Degree Requirements. See pages 31-33.

2. Major Requirements:

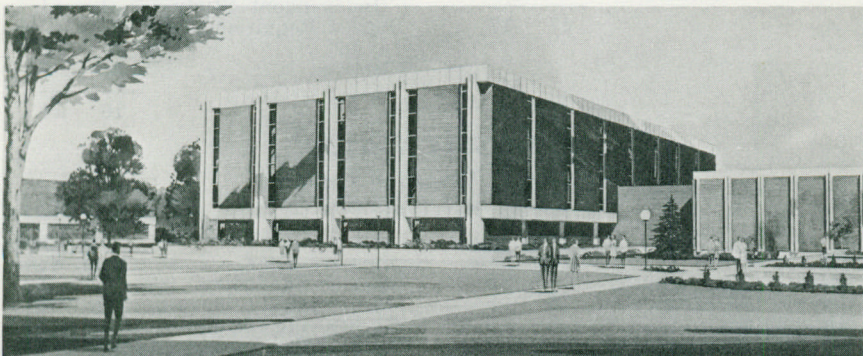
A. Chemistry	45 credits
General Chemistry	10
Organic Chemistry	10
Physical Chemistry	8
Analytical Chemistry	5
Advanced Inorganic Chemistry	4
Instrumental Analysis	4
Chemistry Seminar	2
Chemistry Preparations or Independent Study	2

B. Mathematics 10-18 credits
Completion of Mathematics through
Calculus M-206.

C. Engineering Physics 10 credits

3. Recommended Electives

Foreign Language
Upper Division Mathematics
Upper Division Physics
Life Science Courses



LIBRARY ADDITION
BOISE STATE COLLEGE

HUMMEL, HUMMEL, JONES & SHAWVER,

II. Secondary Education Option:

1. General College and Baccalaureate Degree Requirements. See pages 37-38.
2. Major Requirements:
 - A. Chemistry 39 credits

General Chemistry	10
Organic Chemistry	10
Physical Chemistry	8
Analytical Chemistry	5
Advanced Inorganic Chemistry	4
Chemistry Seminar	2
 - B. Mathematics 10-18 credits

Completion of Mathematics through
Calculus M-206.
 - C. Engineering Physics 10 credits
3. Education Requirements 20 credits

Foundations of Education
Educational Psychology
Secondary School Methods
Secondary Student Teaching
Education Electives

CHEMISTRY MAJOR**Liberal Arts**

(Suggested Program)

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Junior Year:		
English Composition	3	3	Physical Chemistry	4	4
General Chemistry	5	5	Analytical Chemistry	5	
Mathematics	5	4-5	Degree Requirements		
Degree Requirements	3	3	or		
P.E.	1	1	Electives	6	12
	17	16-17		15	16
Sophomore Year:			Senior Year:		
Organic Chemistry	5	5	Chemistry Seminar	1	1
Mathematics	4	4	Advanced Inorganic	2	2
Engineering Physics	5	5	Instrumental Analysis		4
Degree Requirements	3	3	Chemistry Preparations or		
	17	17	Independent Study	1	1
			Degree Requirements		
			or		
			Electives	12	6
				16	14

CHEMISTRY MAJOR**Secondary Education Option**

(Suggested Program)

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Sophomore Year:		
English Composition	3	3	Organic Chemistry	5	5
General Chemistry	5	5	Mathematics	4	4
Mathematics	5	4-5	Engineering Physics	5	5
Degree Requirements	3	3	General Psychology		3
Physical Ed. Activities	1	1	Degree Requirements	3	
	17	16-17		17	17

		1st	2nd			1st	2nd
Junior Year:		Sem.	Sem.	Senior Year:		Sem.	Sem.
Physical Chemistry	.....	4	4	Advanced Inorganic Chem.	.....	2	2
Analytical Chemistry	.....	4	—	Chemistry Seminar	.....	1	1
Educational Psychology	.....	3	—	Secondary School Methods	.....	—	3
Foundations of Education	.....	—	3	Secondary Student Teach.	.....	—	6
Degree Requirements	.....			Degree Requirements	.....	
or				or			
Electives	.....	6	9	Electives	.....	12	—
				Education Electives	.....	2	—
		17	16			17	12

DEPARTMENT OF EARTH SCIENCE

REQUIREMENTS FOR EARTH SCIENCE MAJOR

I. Liberal Arts Option:

1. General College and Baccalaureate Degree Requirements. See pages 31-33 for Graduation Requirements.

2. Major Requirements:

- A. Geology 43 credits
 - Physical Geology 4
 - Historical Geology 4
 - Oceanography 2
 - Astronomy or Meteorology 3
 - Sedimentology 4
 - Stratigraphy 4
 - Structural Geology 4
 - Geomorphology 3
 - Minerology 3
 - Paleontology 3
 - Ground Water 3
 - Petrology 4
 - Seminar 1
- B. General Chemistry 10 credits
- C. General Physics 8 credits
- D. Mathematics 14 credits
 - Completion of Mathematics through Calculus M-205.
- E. Technical Drawing 2 credits

II. Secondary Education Option:

1. General College and Baccalaureate Degree Requirements. See pages 31-33 for Graduation Requirements.

2. Major Requirements:

- A. Geology 28(29) credits
 - Physical Geology 4
 - Historical Geology 4
 - Oceanography 2
 - Astronomy or Meteorology 3
 - Sedimentology 4
 - Stratigraphy 4
 - Mineralogy or Paleontology 4(3)
 - Ground Water 3
 - Seminar 1
- B. General Chemistry 10 credits
- C. General Physics 8 credits
- D. Mathematics 14 credits
 - Completion of Mathematics through Calculus M-205.
- E. Technical Drawing 2 credits

3. Education Requirements	20 credits
The following are required for Secondary Teaching Certification in Idaho:	
Foundations of Education	3
Educational Psychology	3
Secondary School Methods	3
Secondary Student Teaching	6
Education Electives	5

EARTH SCIENCE MAJOR

Liberal Arts (Suggested Program)

Freshman Year:		1st Sem.	2nd Sem.	Junior Year:		1st Sem.	2nd Sem.
English Composition	3	3		Structural Geology	4	—	
Physical Geology	4	—		Stratigraphy	—	4	
Historical Geology	—	4		Sedimentology	4	—	
Mathematics	5	5		Geomorphology	3	—	
Degree Requirements	3	3		Degree Requirements or			
Physical Ed. Activities	1	1		Electives	3	12	
		16	16			14	16
Sophomore Year:				Senior Year:			
Oceanography	—	2		Minerology	4	—	
Mathematics	4	—		Paleontology	—	3	
Astronomy, Meteorology	—	3		Ground Water	3	—	
General Chemistry	5	5		Petrology	—	4	
Technical Drawing	2	—		Degree Requirements or			
General Physics	4	4		Electives	9	9	
Degree Requirements	—	3		Seminar	1	—	
		15	17			17	16

EARTH SCIENCE MAJOR

Secondary Education Option (Suggested Program)

Freshman Year:		1st Sem.	2nd Sem.	Junior Year:		1st Sem.	2nd Sem.
English Composition	3	3		Sedimentology	4	—	
Physical Geology	4	—		Stratigraphy	—	4	
Historical Geology	—	4		General Physics	4	4	
Mathematics	5	5		Educational Psychology	3	—	
Degree Requirements	3	3		Foundations of Education	—	3	
Physical Ed. Activities	1	1		Degree Requirements or			
		16	16	Electives	5	5	
Sophomore Year:				Senior Year:			
Oceanography	—	2		Minerology or Paleontol'y	4	—	
Meteorology, Astronomy	—	3		Ground Water	3	—	
Mathematics	4	—		Secondary School Method	—	3	
General Chemistry	5	5		Secondary Student Teach.	—	6	
Technical Drawing	2	—		Education Electives	3	2	
General Psychology	—	3		Degree Requirements or			
Degree Requirements or				Electives	6	4	
Electives	6	3		Seminar	—	1	
		17	16			16	16

DEPARTMENT OF HOME ECONOMICS

HOME ECONOMICS CURRICULUM

This curriculum is designed for those students who are interested in a professional career in home economics. Students whose interest is preparation for home making are not required to register for laboratory science. Prior to registering, a student should, if possible, determine the school in which she will enroll for her upper division training so that registration can be made with the requirements of the prospective school in mind.

Freshman Year:	First Semester	Second Semester
Laboratory Science	4	4
English Composition	3	3
Introduction to Home Economics	1	—
Clothing	3	—
Basic Design	2	2
Textiles	—	3
Physical Education Activities	1	1
Clothing Selection	—	2
*Electives	2	1
	16	16

Sophomore Year:	First Semester	Second Semester
House Planning	—	3
Introduction to Foods	—	3
Home Furnishings	3	—
Nutrition	3	—
Social Science (History, Political Science)	3	3
Microbiology	3	—
Physiology	—	4
Psychology	3	—
Introduction to Sociology	—	3
**Electives	1	—
	16	16

DEPARTMENT OF MATHEMATICS

REQUIREMENTS FOR MATHEMATICS MAJOR

Bachelor of Arts or Bachelor of Science Programs

I. Mathematics Option:

1. Requirements for B.A. or B.S. degree, including electives.
2. Mathematics requirements.
Lower division mathematics: 17 credits
Calculus through M-206
EN-104 (Fortran Programming)

*Recommended Electives: Costume Analysis and Design.

**Journalism recommended.

M-126 Mathematics of Programming

Upper division mathematics: 27 or more credits

One of: M-301 Linear Algebra (4), M-302 Abstract Algebra (3-4)
M-306 Number TheoryOne of: M-311 Foundations of Geometry (3)
M-312 Differential Geometry

M-314 Foundations of Analysis (3)

One of: M-331 Differential Equations (4)

M-321 Advanced Engineering Math

M-340 Numerical Analysis

M-361 Fundamental Statistics

Either M-361 or M-431, 432 (below) is required.

Four of (including a sequence) (12 or 14)

M-401, 402 Advanced Calculus

M-406 Complex Variable

M-411 Topology

M-421-2 Applied Math

M-431-2 Probability & Statistics

II. Secondary Education Option:

1. Requirements for B.A. or B.S. degree

2. *Mathematics Requirements

Lower division mathematics through M-206

Upper division mathematics Minimum 19 credits

M-301 Linear Algebra (4)

M-302 Abstract Algebra (3)

M-311 Foundations of Geometry (3)

M-314 Foundations of Analysis or M-401 Advanced Calculus (3)

M-361 Fundamentals of Statistics (4) or

M-431-432 Probability and Statistics (6)

M-490 Mathematics in Secondary Schools (3)

3. Electives (Recommended: EN-104, M-126, M-312, M-306)

4. Education Requirements 20 credits
(M-490 counts as an education elective)**MATHEMATICS****Mathematics Option**

(Suggested Program)

Freshman Year	1st	2nd	Sophomore Year	1st	2nd
	Sem.	Sem.		Sem.	Sem.
English Comp.	3	3	Literature	3	3
History	3	3	Calculus M-206	4	—
Programming EN-104 ..	—	2	Programming M-126 ..	2	or 2
Calculus M-112	5	—	Eng. Physics	5	5
Calculus M-205	—	4	French or German	4	4
Lab Science	4 or 5	4 or 5	or Elective	—	—
P.E.	1	1	Elective	—	3
Total	16 or 17	17 or 18	Total	16 or 18	15 or 17

*Must have either 45 hours of Mathematics or 30 hours of Mathematics and 20 hours in a minor area for secondary certification in Idaho.

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Junior Year			Senior Year		
*Linear Algebra M-301			Humanities	3	3
*or Abstract Algebra M-302			At least 4 semesters,		
*or Number Theory M-306			include one sequence from: 6		6
*Foundations of Geom.			Advanced Calculus M-401-2		
*or Differential Geom.	3-4	3-4	Theory of Functions of a		
Foundations of Analysis			Complex Variable M-406		
M-314	3	—	Topology M-411		
†Differential Equations			Applied Math M-421-2		
M-331			Probability and Statistics		
†or Adv Eng. Math M-321			M-431-2 (Statistics M-361		
†or Numerical Analysis			if not M-431-2)		
M-340			Elective	6	6
†or Statistics M-361	—	4			
Social Science	3	3	Total	15	15
French or German or					
Elective	4	4			
Elective	3	3			
Total	16-17	17-18			

MATHEMATICS

Secondary Education Option

(Suggested Program)

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year			Junior Year		
English Composition	3	3	Linear Algebra	4	—
History	3	3	Abstract Algebra	—	3
Mathematics	5	5	Found. of Analysis	3	—
Area I Elective	3	3	Fund. of Statistics	—	4
P.E. Activity	1	1	Educational or		
			Adolescent Psychology	3	—
Total	15	15	Elective	8	10
			Total	18	17
Sophomore Year					
Literature	3	3	Senior Year	7 wk.	9 wk.
Calculus	4	4	Secondary Methods	3	—
General Psychology	3	—	Foundations of Geometry	3	—
Found. of Education	—	3	Mathematics in Secondary		
Science	5	5	Schools	3	—
Elective	3	3	Second. Student Teaching	—	6
Total	18	18	Total	15	
				2nd Sem.	
			Education Elective	2	
			Elective	12	
			Total		14

*At least two of the five.

†At least one of the four.

DEPARTMENT OF PHYSICS, ENGINEERING AND PHYSICAL SCIENCE

ENGINEERING CURRICULUM

The following curriculum is as nearly as possible identical to that at the University of Idaho. The minimum time required to earn a BS degree in engineering is 4 years and the following program is designed to do this along with 2 years at the University of Idaho. This is, however, a very rigorous demanding program and depends upon the student being able to handle a heavy work load plus having the necessary background to start with the prescribed initial courses. Many students find it desirable or even necessary to take 4½, 5 years or more to earn the degree. Therefore, a convenient option based on 3 years at BSC followed by 2 years at Idaho U. is available and students may consult an engineering advisor about this program. This 5 year option is also advised for students needing to work while attending school. Engineering curricula are very similar all over the country and students can readily transfer to other engineering colleges. Students should consult their advisor about possible program modifications if they plan to go to some school other than University of Idaho to complete their degree.

	First Semester	Second Semester
Common Freshman Year: (All Engineering Majors)		
English Composition (E 101-102)	3	3
Chemistry for Engineers (C 105-106)	4	4
Calculus and Analytic Geometry (M 112-205)	5	4
*Technical Drawing or Engineering Graphics (EN 101 or EN 102)	2	—
Basic Physical Education Activities	1	1
Engineering Orientation (EN 103)	2	—
Digital Computer Programming (EN 104)	—	2
Humanities Elective	—	3
	17	17
Common Sophomore Core: (All Engineering Majors)		
Engineering Physics (PH 211-212)	5	5
Calculus and Analytic Geometry (M-206)	4	—
Mechanics: Statics (EN 203)	2	—
Introduction to Electrical Engineering (EN 221)	3	—
Mechanics: Dynamics (EN 204)	—	3
Adv. Engineering Mathematics (M 321)	—	4
	14	12
Agricultural Engineering		
Common Sophomore Core	14	12
Plane Surveying (EN 215)	3	—
Electives, Humanities — Soc.	—	3
Expository Comp (E 201)	—	3
	17	18
Chemical Engineering		
Common Sophomore Core	14	12
Organic Chemistry (C 217-218)	3	3
Principles of Econ. (EC 201)	—	3
	17	18

*Students taking EN 101 must also take EN 106 to complete the Engineering Drawing requirement.

Civil Engineering

Common Sophomore Core	14	12
Plane Surveying (EN 215)	3	—
Physical Geology (GO 101)	—	4
Principles of Econ. (EC 201)	—	3
	17	19

Electrical Engineering

Common Sophomore Core	14	12
Expository Comp. (E 201)	3	—
Network Analysis (EN 223)	—	4
Elective, Humanities — Soc.	—	3
	17	19

Mechanical Engineering

Common Sophomore Core	14	12
Elective, Humanities — Soc.	—	3
Machine Tool Lab (EN 207)	—	2
Principles of Econ. (EC 201)	3	—
	17	17

Junior Year:

Three Junior level Engineering Science courses (EN 301 Fluid Mechanics, EN 306 Mechanics of Materials, and EN 320 Thermodynamics and Heat Transfer) are offered. These courses, along with usual Engineering requirements in mathematics, science, humanities, and social sciences, make it feasible for many students to complete a third year before transferring. Consult an engineering staff advisor for details.

Architectural Design

For those students who do not take Architectural Engineering.

Freshman Year:

English Composition	3	3
Technical Drawing	2	—
Architectural Drafting	—	2
General Physics	4	4
Algebra & Trigonometry	5	—
Calculus and Analytic Geometry	—	5
Architectural Graphics	2	—
Physical Education Activities	1	1
Elective, Humanities	—	2-3
	17	17-18

DEPARTMENT OF HEALTH SERVICES

The decision by the Administration and the Board of Trustees of the College to establish a Department of Health Services resulted from a number of factors including the following:

1. The recent passage by Congress of the Allied Health Professions Personnel Training Act, P.L. 89-751.
2. The establishment here in Boise of the Idaho Foundation for Medicine and Biology.
3. Favorable logistics, including that of Boise being located in the center of the highest concentration of population in the state, as well as having three of the largest hospitals, and the only rehabilitation center in the state available for clinical training. Under this heading would also be included the increasing needs and employment opportunities for health manpower in the area as compared to other sections of the state.

OBJECTIVES

1. To provide students with quality instruction enabling them to master skills in various allied health professions whereby they can obtain satisfying and profitable employment upon the completion of their particular program of study.

2. To supplement the instruction per se with proper counseling and other experiences that will be conducive to the development of a sense of appreciation and responsibility to society as a whole.

3. Encourage the students to take pride in their work and make an honest effort to realize their full mental potential at all times.

4. Encourage students in the Health Professions curricula to participate in as wide a spectrum of extra-curricular activities and subject matter disciplines as their opportunity ranges will permit.

5. To assist in the implementation of short courses and workshops for the continuing education of personnel engaged in the health professions.

DENTAL ASSISTANT

A one year terminal vocational technical education program which, when completed, qualifies the student to take the Dental Assistant Certification Examination and be employed in a dental office or clinic.

	First Semester	Second Semester
Dental Laboratory	5	5
Communication Skills	3	3
Dental Theory	4	3
Job Psychology and Ethics	2	—
Credit and Collections	2	—
Fundamentals of Speech	—	3
Personal and Public Health	—	2
	16	16

For course descriptions see page 173 in the catalog.

ENVIRONMENTAL HEALTH

The environmental health scientist is concerned with the study and determination of the effects of environmental factors, singly and in the aggregate, upon the health of man. The need for such a program is evident when one considers the increasing demand for trained personnel in such areas as environmental pollution prevention, food inspection, and teaching. Environmental Health experts are employed by Federal, State, and Local agencies, private industry, and teaching institutions. Currently, there are vacancies at all levels in Idaho and surrounding states.

REQUIREMENTS FOR ENVIRONMENTAL HEALTH MAJOR

Bachelor of Science

A. General Requirements (8 credits)	
English Composition	6
Physical Education Activities	2
B. Area I Requirements (12 credits)	
Literature	6
Humanities	6
C. Area II Requirements (12 credits)	
History	6
Psychology	3
Sociology	3
D. Science Requirements (54 credits)	
General Chemistry	10
Elementary Organic Chemistry	6
Algebra and Trigonometry*	5
General Physics	8
General Biology	8
General Bacteriology	5
Entomology	4
Pathogenic Bacteriology	4
E. Food Microbiology	4
Public Health Requirements (17 credits)	
Environmental Sanitation	6
Public Health Field Training	8
Public Health Administration	3
F. Electives (25 credits)	
Must include a minimum of 11 credits in Upper Division Courses	
Suggested Electives	
Intro. to Data Processing	
Speech	
State and Local Government	
Federal Government	
Criminal Law	
Business Law	
Criminal Investigation	
Business Statistics	
Audio Visual Aids in Education	

*Would be waived if score on Math Placement test would permit student to enter Math 112.

ENVIRONMENTAL HEALTH**Bachelor of Science**

(Suggested Program)

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Junior Year:		
English Composition	3	3	General Physics	4	4
General Biology	4	4	Entomology	—	4
General Chemistry	5	5	**Pathogenic Bacteriology	—	4
Algebra & Trigonometry*	5	—	**Environmental Sanitation	3	3
P.E. Activities	1	1	Literature	3	—
Introduction to Sociology	—	3	Intro to Data Processing	3	—
	18	16	Electives	3	—
				16	15
Sophomore Year:			Summer between Junior and Senior Year		
General Bacteriology	5	—	Public Health		
Elementary Organic Chem.	3	3	Field Training	4	4
History	3	3	Senior Year:		
Speech	—	3	Public Health Admin.	3	—
Psychology	3	—	*Food Microbiology	—	4
Humanities Electives	3	3	Electives	8	8
Literature	—	3		11	12
	17	15			

LICENSED PRACTICAL NURSING

A one year program consisting of 600 hours of theory and 1200 hours of clinical training at St. Luke's Hospital. Upon completion of the program the students take the state licensing examination, which, when passed, qualifies them as Licensed Practical Nurses. For details see page 172 of the catalog.

MEDICAL RECORD TECHNICIAN PROGRAM

The course of study has been planned in accordance with the stated requirements of the American Association of Medical Record Librarians. This two year program is "open-end" so that the student may utilize the earned credits for future matriculation in a four year program. The curriculum was formulated by a committee made up of Medical Record Librarians, Physicians, Nurses and representatives of the Idaho Foundation for Medicine and Biology, WICHE — The Regional Medical Programs, local hospitals, Idaho Hospital Association and Boise State College.

These trained individuals will be employed in hospitals, nursing homes, insurance agencies, data processing organizations and in medical group offices.

Program

Course	FIRST YEAR	1st Sem.	2nd Sem.
Physical Education		1	1
English Composition		3	3
Intermediate Typing		2	—
Human Anatomy and Physiology		—	4
Medical Terminology		3	—
Medical Legal Concepts		—	2
Medical Records Science		4	4
Fundamentals of Speech		3	—
History		—	3
		16	17

SUMMER SESSION: Five weeks of directed practice in various health institutions for a total of 4 cr. hrs. There must be a total of 540 hours of directed practice during the two year course.

*Will be waived if score on Math Placement test would permit student to enter Math 112.

**Will not be offered 1970-71.

Course	SECOND YEAR		1st Sem.	2nd Sem.
Medical Records Science			5	5
Health Institute Management			—	3
Business Statistics			—	3
Introduction to Psychology or Intro. to Sociology			3	—
Principles of Data Processing			—	3
Mathematics			4	—
Elective			2 or 3	—
			14 or 15	14

MEDICAL SECRETARY

As the name implies, this two year course of study is designed to prepare students for employment as secretaries in hospitals, clinics, and offices of practitioners of the medical arts.

Freshman Year:		1st Sem.	2nd Sem.	Sophomore Year:		1st Sem.	2nd Sem.
English Composition	3	3		Microbiology	3	—	
Physical Ed. Activities	1	1		Business Math/Machines	—	4	
Princ. of Physical Science	4	—		Advanced Shorthand	4	—	
Human Physiology	—	4		Medical Transcription	—	4	
and Anatomy	—	4		Medical Office Procedures	2	2	
Beg. & Int. Typing	2	2		Office Practice	4	—	
Beg. & Int. Shorthand	4	4		Prin. of Accounting	—	3	
Business English	3	—		Adv. Typing &	—	—	
Intro. to Business	—	3		Prod. Typing	2	2	
	17	17			15	15	

REQUIREMENTS FOR MEDICAL TECHNOLOGY MAJOR

Bachelor of Science Program

There is a definite demand for Registered Medical Technologists in hospitals, clinics, physicians' offices, medical schools and research laboratories. There is now a four year curriculum which consists of three years of college training during which period 96 semester hours of study are completed. The fourth year, the student is eligible to take the examination for registration as a Medical Technologist and receive the Bachelor of Arts degree.

I. Liberal Arts Option

1. Six hours of English Composition 6 credits
2. Two hours of Physical Education Activities 2 credits
3. Completion of the basic core requirements:
 - A. Humanities Gr. 1 12 credits
 - B. Social Sciences Gr. 2 12 credits
4. Laboratory Sciences and Mathematics:
 - A. Required Courses: 44-45 credits
 1. One year sequence in each of the following:
 - General Chemistry 10
 - Advanced General Biology 10
 - Organic Chemistry 6
 2. One semester of:
 - Freshman Mathematics 4 or 5
 - Bacteriology 5
 - Analytical Chemistry 5
 - Mammalian Physiology 4
 - B. Electives to be selected from the following: 19-20 credits
 - Biology or Zoology (select at least two courses from the following):
 - Comparative Anatomy 4
 - Vertebrate Embryology 4
 - Vertebrate Histology 4

Microtechnique	3
General Genetics	3-4
Parasitology	3

Physics

Area I and II

5. One year of clinical training	32 credits
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MEDICAL TECHNOLOGY MAJOR

Bachelor of Science Program

(Suggested Program)

		1st	2nd			1st	2nd
		Sem.	Sem.			Sem.	Sem.
Freshman Year:				Junior Year:			
English Composition	3	3		General Bacteriology	5	—	
General Chemistry	5	5		Analytical Chemistry	5	—	
Mathematics	4-5	—		Mammalian Physiology	—	4	
History	3	3		Unspecified Electives	6	11-12	
Social Science Elective	—	3					
Physical Ed. Activities	1	1					
	—	—				16	15-16
	16-17	15		Senior Year:			
Sophomore Year:				Advanced Bacteriology	7		
Advanced General Biology	5	5		Radioisotopes	1		
Organic Chemistry	3	3		Parasitology and Mycology	2		
Literature	3	3		Hematology	8		
Humanities	3	3		Biochemistry	8		
Social Science	3	—		Urinalysis	1		
Unspecified Elective	—	3		Histology and Tissue Tech.	1		
	—	—		Serology	3		
	17	17		Blood Banking	1		
						32	

Senior year to be spent in clinical training in St. Luke's Hospital or St. Alphonsus Hospital, Boise, Idaho. The equivalent of thirty-two credit hours is earned in clinical training which includes the above courses and their semester credit equivalents.

PRE-DENTAL HYGIENE CURRICULUM

This curriculum is designed for women students interested in a professional career in dental hygiene. This two-year pre-dental hygiene course leads to a Bachelor's Degree and qualifies the graduate for specialized services in public health, school health, administration and education of dental hygienists as well as training and licensing to give important dental services under the supervision of a dentist.

		1st	2nd			1st	2nd
		Sem.	Sem.			Sem.	Sem.
Freshman Year:				Sophomore Year:			
Introduction to Gen. Chem.	4	4		General Physics	4	—	
General Biology	4	4		Organic Chemistry	3	—	
English Composition	3	3		History Elective	3	3	
Introduction to Sociology	3	3		General Psychology	3	3	
Intro. to Public Speaking	2	2		State and Local Govm't	—	3	
Physical Ed. Activities	1	1		Humanities Elective	3	5	
	—	—		Non Specified Elective	—	3	
	17	17				16	17

REQUIREMENTS FOR PRE-DENTAL, PRE-MEDICAL STUDIES MAJOR

Bachelor of Science

I. BIOLOGY OPTION

1. General College and Baccalaureate Degree		
Requirements to include		32 credits
General Psychology	3	
Literature (Upper Division)	3	
2. Biology Requirements		35 credits
Advanced General Biology	10	
General Bacteriology	5	
Comparative Anatomy	4	
Vertebrate Embryology	4	
Mammalian Physiology	4	
General Genetics	4	
Vertebrate Histology	4	
3. Chemistry Requirements		25-29 credits
General Chemistry	10	
Organic Chemistry	6-10	
Analytical Chemistry	5	
Biochemistry	4	
4. Physics and Mathematics		18 credits
General Physics	8	
Mathematics sequence	10	
Totals for Areas 1-4		110-114 credits
*Electives		14-18 credits

II. CHEMISTRY OPTION

1. General College and Baccalaureate Degree		
Requirements to include		32 credits
General Psychology	3	
Literature (Upper Division)	3	
2. Biology Requirements		22 credits
Advanced General Biology	10	
Comparative Anatomy	4	
General Genetics	4	
Vertebrate Embryology	4	
3. Chemistry Requirements		41 credits
General Chemistry	10	
Organic Chemistry	10	
Analytical Chemistry	5	
Physical Chemistry	8	
Instrumental Analysis	4	
Chemistry Preparations	2	
Chemistry Seminar	2	
4. Physics and Mathematics		26 credits
Mathematics sequence	10	
Calculus and Analytical Geometry	8	
General Physics	8	
Total for Areas 1-4		121 credits
†Electives		7 credits

128

*Three units Upper Division.

†Four Units Upper Division.

**PRE-DENTAL, PRE-MEDICAL STUDIES MAJOR
BACHELOR OF SCIENCE PROGRAM
(Suggested Programs)**

BIOLOGY OPTION

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Junior Year:		
English Composition	3	3	Gen. Physics	4	4
General Chemistry	5	5	Analyt. Chem.	5	—
Mathematics	5	5	Comparative Anatomy	4	—
History	3	3	Genetics	—	3-4
Physical Ed. Activities	1	1	Vertebrate Embryology	—	4
	17	17	Literature (Upper Div.)	3	—
			Electives	—	4-5
				16	16
Sophomore Year:			Senior Year:		
Advanced General Biology	5	5	General Bacteriology	5	—
*Organic Chemistry	3-5	3-5	Vertebrate Histology	4	—
General Psychology	3	—	Mammalian Physiology	—	4
Survey of Amer. Lit.	—	3	Biochemistry	—	4
Area I (Electives)	3	3	Area II Electives	3	—
	14-16	14-16	Electives	3-5	7-9
				15-17	15-17

CHEMISTRY OPTION

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Junior Year:		
English Composition	3	3	Comparative Anatomy	4	—
General Chemistry	5	5	Vertebrate Embryology	—	4
Mathematics	5	5	General Physics	4	4
History	3	3	General Genetics	—	3-4
Physical Ed. Activities	1	1	Analytical Chemistry	5	—
	17	17	Literature	3	3
				16	14-15
Sophomore Year:			Senior Year:		
Advanced General Biology	5	5	Physical Chemistry	4	4
Organic Chemistry	5	5	Instrumental Analysis	4	—
Calculus & Analytical	—	—	Chemical Preparations	1	1
Geometry	4	4	General Psychology	3	—
Humanities Elective	3	3	Area II	—	3
	17	17	Chemistry Seminar	1	1
			Electives	3	4-5
				16	13-14

RADIOLOGIC TECHNOLOGY

St. Luke's Hospital, in conjunction with Boise State College, offers a twenty-four month radiologic technology program. Two weeks vacation is offered each summer, plus ten working days sick leave each year. Both the college and the hospital offer classes in theory, while the hospital provides the clinical experience for laboratory practice.

Admission to the program is based on high school and college transcripts, if the applicant has attended the latter, three letters of reference from other than relatives, the aptitude test S-80, given by the Employment Security Agency, and a personal interview with the Chief Technologist and the Director of the Department of Radiology at St. Luke's Hospital.

*Students taking 3 credit organic must balance credit load with additional 3 credit elective either 1st or 2nd Semester.

The student pays all of his expenses at the college, including books and tuition. Upon completion of the program the hospital refunds the amount of the college tuition to the student. The student is also required to purchase approximately eighty dollars worth of books for use at the hospital. Students furnish their own uniforms and appropriate white shoes. In lieu of board and room the student receives a stipend of sixty dollars a month the first year and seventy-five dollars a month the second year. He also receives Blue Cross benefits from the hospital. This program is approved under the G.I. bill.

Students are also required to participate in the Southwestern Society of Radiologic Technologists, and the fee for this is two dollars per year.

Upon completion of the prescribed curriculum the student will receive a certificate from St. Luke's Hospital, which will qualify the student for writing the examination to become a Registered Technologist.

Post-graduate courses are offered to the Registered Technologist under the supervision of St. Luke's Hospital in the specialized fields of Radiation Therapy and Nuclear Medicine.

Students spend approximately 3500 hours in clinical practice working with patients under the supervision of a Registered Technologist or Radiologist in a hospital environment. This includes experience in the subjects listed above, including pediatric radiography, fluoroscopy, film critique, and emergency call, where they learn procedures pertinent to the handling of accident patients.

RADIOLOGIC TECHNOLOGY CURRICULUM

First Year	First Semester	Credit
Principles of Physical Sciences 101	4
Psychology 101	3
Sociology 101	3
		<hr/> 10

Theory Clock Hours

Orientation and Elementary Radiation Protection	.....	8
Professional Ethics	.....	4
Darkroom Chemistry and Technique	.....	10
Medical Terminology	.....	2
Principles of Radiographic Exposure I	.....	24
Radiographic Positioning—Basic	.....	20
		<hr/> 68

First Year	Second Semester	Credit
Principles of Physical Sciences 102	4
Anatomy and Physiology	4
First Aid	2
		<hr/> 10

Theory Clock Hours

Principles of Radiographic Exposure II	.....	30
Radiographic Positioning—Intermediate	.....	15
Common Radiographic Procedures using Contrast Media	.....	8
Nursing Procedures Pertinent to Radiology	.....	8
The Technologist in Surgery	.....	6
		<hr/>

Summer Sessions	First and Second Years	67
Clinical Application and Critique		

Second Year	First Semester	Theory Clock Hours
Radiation Physics I	20
Medical Office Procedures	4
Radiographic Positioning—Advanced	22
Special Radiographic Procedures I	30
A Survey of Medical and Surgical Diseases	4
		<hr/> 80

Second Year	Second Semester	Theory Clock Hours
Radiation Physics II	20
Special Radiographic Procedures II	30
Radiographic Positioning—Review	22
Radiological Safety Monitoring	15
Radiation Therapy	10
Medical Use of Radioisotopes	2
		<hr/> 99

REHABILITATION THERAPY PHYSICAL THERAPY ASSISTANT*

SUPERVISORY RELATIONSHIP:

The physical therapy assistant works within a physical therapy service administered by a professional physical therapist who meets the standards established by the American Physical Therapy Association. The assistant performs his duties with the direction and supervision of the professional physical therapist to whom he is directly responsible.

FUNCTIONS:

The assistant's function is to assist the professional physical therapist in patient related activities; to perform such procedures delegated to him that are commensurate with his education and training. He carries out designated tasks which are required for the operation of the service. The extent to which the physical therapy assistant will participate in the following activities will be dependent upon the organization structure and size of the physical therapy service and upon the health needs of the individual patient.

- a. Functions as a participating team member who contributes to total patient care.
- b. Assists the professional physical therapist in carrying out complex procedures and programs.
- c. Performs routine treatment procedures in accordance with the planned programs.
- d. Observes, records and reports to his supervisor conditions, reactions and responses related to his assigned duties.

Affiliation:

Upon completion of requirements as prescribed by the Board of Directors, the physical therapy assistant shall be eligible for an appropriate membership category in the American Physical Therapy Association.

PHYSICAL THERAPY ASSISTANT CURRICULUM

	First Year	
Course	1st Semester	2nd Semester
English Composition	3	3
Physical Education	1	1
Introduction to Physical Therapy	4	—
Fundamentals of Physical Therapy I	—	4
Human Growth and Development	3	—
Human Anatomy and Physiology	—	4
Health Concepts	3	—
Introduction to Psychology	—	3
	<hr/> 14	<hr/> 15

*Professional courses in Physical Therapy will not be offered in 1969-70.

Summer Session

One five week session.

Fundamentals of Physical Therapy Procedures II—6 hours.

Second Year

Course	1st Semester	2nd Semester
Principles of Physical Science	4	4
Advanced Physical Therapy Procedures I	4	—
Advanced Physical Therapy Procedures II	—	4
Introduction to Sociology	3	—
Personal Health Services	—	3
Mathematics	3	—
History	—	3
	14	14

Summer Session

Two five week sessions with clinical affiliation and seminar—12 hours.

DEPARTMENT OF NURSING

Boise State College offers a two-year associate degree program in nursing. The entire program is collegiate in nature with Boise hospitals and health facilities cooperating by providing the clinical experience areas for laboratory practice in general nursing. All classes and hospital experiences are under the supervision of qualified college instructors. The program is accredited by the Idaho State Board of Nursing, the Northwest Association of Secondary and Higher Schools and the National League for Nursing.

Philosophy

Believing that nurses can best be educated in a college environment, Boise State College Department of Nursing operates within the philosophy of the total college. Students enrolled in nursing, work and socialize with people majoring in various fields of study. The school provides the opportunity for each student to promote his own abilities within the nursing program. Each student is counselled upon application and throughout the program in relation to his educational goals and academic ability.

The nursing curriculum is in a combination college-hospital setting including classes in liberal arts as well as nursing classes with supervised experience in medical, surgical, obstetrical, pediatric, and psychiatric nursing. The purpose of this curriculum is to enable the student to cultivate his personal educational interests within the subject area.

The school assists each student to develop into a productive citizen of the community with the abilities, understanding, and attitudes to function as a technical nurse. We define a technical nurse as one who understands scientifically-founded nursing knowledge and applies it in giving nursing care.

The graduate is granted an Associate of Science degree and is eligible to be licensed as a registered nurse.

Objectives: The Graduate:

1. Recognizes basic human needs and formulates ways of meeting them.
2. Recognizes deviations from basic health and intervenes to promote optimum health.
3. Demonstrates effective decisions in the practice of nursing.
4. Uses basic knowledge and concepts for developing skills underlying nursing care.
5. Communicates for the purpose of promoting progress in the patient's health care.
6. Demonstrates sensitivities and abilities for good interpersonal relations.
7. Is acquainted with community health problems and resources.
8. Shows insight concerning his own feelings and behavior.
9. Recognizes his role as a technical nurse on the health team.
10. Recognizes personal responsibility for continuing education and growth in nursing.

Admission

Admission to the program is based upon general college entrance requirements; former academic achievement; achievement on the American College Testing Program; personality and physical health without regard to age, sex, marital status, race, or religion.

A personal interview is requested with each applicant.

The Department of Nursing reviews and approves applications. *The student must have a letter of approval from the Department of Nursing to be admitted.*

Costs

With the exception of the cost for uniforms and psychiatric experience, the expenses are the same as for all other Boise State College students. The uniforms cost approximately \$70.00, not including white shoes and watch with a second hand. Travel, board, room and fees for one week at State Hospital South, Blackfoot, Idaho, will be approximately \$35.00.

Degree and Graduation

The student will be eligible to receive the Associate of Science degree from Boise State College upon completion of the prescribed curriculum with a grade point average of 2.0 or above. He or she will also qualify for writing the licensing examination to become a Registered Nurse.

Counselling

Counselling by the Director of Nursing is available to those interested in other types of nursing education.

NURSING CURRICULUM

		1st	2nd			1st	2nd
Freshman Year:		Sem.	Sem.	Sophomore Year:		Sem.	Sem.
English Composition	3	3		Microbiology	3	—	
Foundations of				Sociology	—	3	
Phys. Science	4	—		*Humanities Elective	3	3	
Psychology	—	3		Deviations from			
Home Ec. (Nutrition)	3	—		Basic Health	9	—	
Basic Health Needs	5	—		Complex Health			
Maternal & Child Health	—	6		Deviations	—	8	
Physical Ed. Activities	1	—		Nursing Seminar	—	2	
Human Anat. & Phys.	—	4		Physical Ed. Activities	1	—	
	16	16			16	16	
				1st			
				Session			
				Introduction to Deviations			
				from Basic Health			
				* (Music, Art, Drama, Literature,			
				Communication Arts, Foreign			
				Languages)			

COURSE OFFERINGS

BIOLOGICAL SCIENCES

B BIOLOGY**Lower Division****†101-102 General Biology—4 credits**

Each Semester

A general introduction into the study of plant and animal life, with an interpretation of the principles of morphology, physiology, ecology, embryology, and genetics as represented by both types of organisms. Emphasis on the above principles is placed on their relationship to man. This course is recommended for those students taking only a single course in biological sciences. Three lectures and one 2 hour laboratory period per week.

103 Concepts of Biology—4 credits

Each Semester

An introductory course for non-majors. A survey of the plant and animal

†A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates either course may be taken independently of the other.

kingdoms with emphasis on topics such as evolution, genetics, and ecology and their application to such current problems as pollution, over population and eugenics. May not be used to form a sequence with either B-101 or B-102.

203-204 Advanced General Biology—5 credits

Each Semester

A general introduction to plant and animal life designed for biology majors and pre-professional students in medicine, dentistry, medical technology, forestry and others. Modern concepts of the chemical properties and physiological activities of organisms are emphasized. Plants are considered in the Fall semester; animals in the Spring. Three lectures and two, three hour laboratories per week. Prerequisite: General Chemistry, C-111-112; Introduction to Chemistry, C-101-102 or Introduction to Physical Sciences, PS 101-102. A concurrent course in Organic Chemistry is recommended.

205—Microbiology—3 credits

First Semester

Designed for pre-nursing and Home Ec. students. A study of micro-organisms causing infectious diseases and contamination of foods. Principles of sterilization and disinfection are included along with examination of food, water, blood, milk, and excreta. Two lectures and one two-hour laboratory period per week.

Upper Division

303 General Bacteriology—5 credits

First Semester

A general survey of the field of bacteriology, designed for students in the general science courses and as a foundation for advanced work in the subject. Three lectures and two 3-hour laboratory periods a week. Prerequisite: Advanced General Biology and Elementary Organic Chemistry.

343 Genetics—Lecture—3 credits

Second semester

A study of the principles of genetics as they relate to living organisms. Prerequisite: one year of General Biology, or one year of Advanced General Biology or equivalent.

344 Genetics Laboratory—1 credit

Second semester

A practical course in the techniques of growing and analyzing genetical material. The laboratory work will include exercises in culturing of *Drosophila*, and other animal and plant materials. Results of experimental work will be analyzed and reports submitted. Prerequisite: concurrent or prior enrollment in Genetics Lecture.

401 Organic Evolution—3 credits

Second semester

History of the development of the theory of evolution. A detailed treatment of the genetic evidence supporting the theory as derived from both plant and animal examples. A discussion of the evidence for vertebrate evolution including that for man. Prerequisite: One year of college biology or equivalent. Genetics recommended. Alternates with Parasitology.

410 Food Microbiology—4 credits

Second semester

A course concerned with those species of micro-organisms of economic importance to food and fermentation industries as they relate to problems of food poisoning and food-borne infections, pollution, spoilage, spoilage control and sanitation. Two lectures and two three-hour laboratory periods per week. Prerequisite: General Bacteriology.

410 Pathogenic Bacteriology—4 credits

Second semester

A course emphasizing the cultural, biochemical and morphological characteristics of the more important species of disease-producing bacteria. Two lectures and two three-hour laboratory periods per week. Prerequisite: General Bacteriology.

412 General Parasitology—3 credits

Second semester

A general study of parasitism including the parasites of man. Lectures devoted to a phylogenetic survey of the parasitic animal groups. Laboratory provides experience in examination of host animals, detection and identification of major locally occurring parasitic groups. Two lectures and one three-hour laboratory per week. Offered alternate years with Organic Evolution. Prerequisite: Advanced General Biology or consent of instructor.

423 Biocology—3 credits

First semester

A survey of the physical factors of the environment and the biological interrelationships of organisms and their effect on the mode of life and distribution of plants and animals. Three lectures per week. Prerequisite: Advanced General Biology or consent of instructor.

310

424 Bioecology Laboratory—1 credit

First semester

Field investigations into the broad areas of aquatic and terrestrial ecosystems. Study of population and community dynamics, structure, fluctuations, etc. Prerequisite: Advanced General Biology or consent of instructor and Systematic Botany. Weekend field trips will be taken. Concurrent or prior enrollment in Bioecology.

490 Senior Research—1-3 credits

Either semester

A course for mature students who are ready to undertake individual investigations. One to three credits per semester with a maximum of 4 credits to count towards the degree. Restrictions: Permission of the instructor, Department Chairman and Dean of the School in writing; Cumulative GPA of 2.75; senior standing (96 credits); registration only at regularly scheduled time.

498, 499 Biology Seminar—1 credit

Each semester

A review of pertinent literature on selected topics. Restricted to senior biology majors.

BT BOTANY

Lower Division

201 Systematic Botany—4 credits

Second semester

A laboratory field and lecture course. The various systems of classification, and the use of keys and manuals are employed in identifying collected specimens of local flora. Two lectures and two 2-hour laboratory periods per week or equivalent field trips. Prerequisite: First Semester Advanced General Biology or consent of instructor.

Upper Division

302 Plant Anatomy—3 credits

First semester

This course is designed to acquaint the student with the internal structure of plant tissues, tissue systems and organs from a developmental standpoint. The study will be limited to the higher plants with emphasis on the Angiosperms. Two lectures and two 2-hour labs. Prerequisite: Advanced General Biology or consent of instructor. Alternates with Plant Morphology.

311 Plant Morphology—4 credits

First semester

The student will become familiar with differences in the embryology, development, physiology, anatomy and reproductive cycle of the various plant taxa. Three one-hour lectures, two two-hour labs per week. Prerequisites: Advanced General Biology. Organic Chemistry recommended. Alternates with Plant Anatomy.

401 Plant Physiology—4 credits

Second semester

Plant physiology will emphasize the physical and chemical processes of plant body functions. It includes a study of cellular tissue and organ functions, the mineral requirements of the plant, its metabolism, water uptake, photosynthesis, compounds synthesized by plants and a brief discussion of soil chemistry. Prerequisites: Advanced General Biology and Elementary Organic Chemistry. General Physics and Plant Anatomy are recommended.

FS FORESTRY

Lower Division

101 General Forestry—2 credits

Second semester

A general survey of the entire field of forestry, the history and social importance of forestry, timber management and propagation of the important trees of the U.S. Two lectures per week.

Z ZOOLOGY

Lower Division

107 Human Physiology and Anatomy—4 credits

Each semester

For students in Home Economics, Pre-Nursing and Physical Education. Designed to give a general knowledge of the more important physiological problems and of the anatomical structure and functions of the human body.

Two lectures and two two-hour laboratory periods per week. Not open for credit to students who have completed Advanced General Biology.

Upper Division

- 301 Comparative Anatomy—4 credits** First semester
Dissection and study of representative types of vertebrates, together with lectures and discussions of general vertebrate anatomy with special reference to the evolution of the various organ systems. Two lectures and two 3-hour laboratory periods a week. Prerequisite: Advanced General Biology or consent of instructor.
- 305 Entomology—4 credits** First semester
A study of the biology of insects with emphasis on their ecology, classification, morphology, physiology, and control. The course will include practice in collecting and identification of local species. Two lectures and two 3-hour laboratory periods per week. Prerequisite: Advanced General Biology or consent of instructor. Students are required to meet with the instructor sometime during the academic year which precedes their enrollment in this course in order that they may commence their collecting of specimens during the more productive summer months.
- 307 Invertebrate Zoology—4 credits** Second semester
Morphology, phylogeny and natural history of the invertebrate animals exclusive of the insects. Two lectures and two three-hour laboratories per week. Prerequisite: Advanced General Biology or consent of instructor.
- 341 Ornithology—3 credits** Second semester
A lecture, laboratory and field course dealing with the classification, structure, identification, distribution and behavior of birds. Two lectures and one two-hour laboratory period per week. Prerequisite: Natural History of the Vertebrates. Alternates with Mammalogy.
- 351 Vertebrate Embryology—4 credits** Second semester
A detailed analysis of the development of vertebrates with special emphasis on the experimental approach to morphogenesis in lecture and classical descriptive embryology in the laboratory. Two lectures and two three-hour laboratories per week. Prerequisite: Advanced General Biology or consent of instructor.
- 355 Natural History of the Vertebrates—4 credits** First semester
A lecture, laboratory and field course dealing with the identification, morphology, life cycle and habitat of fish, amphibians, reptiles, birds and mammals. Special emphasis is placed on local forms. Two lectures and two three-hour laboratory periods per week, plus two weekend field trips. Prerequisite: One year of college biology, or equivalent.
- 361 Microtechnique—3 credits** First semester
A study of the theory and practical application of procedures involving fixation, staining, preparation of paraffin sections and whole mounts, and histochemical techniques. One hour lecture and two 3-hour laboratory periods. Prerequisite: Advanced General Biology or consent of instructor.
- 400 Vertebrate Histology—4 credits** First semester
A course dealing with the microscopic anatomy of cells, tissues, and organ systems of vertebrates with major emphasis on mammalian systems. Two one-hour lectures and two 3-hour laboratories. Prerequisite: Advanced General Biology and either Comparative Anatomy or Vertebrate Embryology are recommended.
- 401 Mammalian Physiology—4 credits** First semester
Lectures and laboratory exercises in animal physiology dealing with the basic physiological functions of cells, tissues, and organ systems of vertebrate animals. Prerequisite: Advanced General Biology and Elementary Organic Chemistry. Three lectures and one 3-hour laboratory period per week.
- 411 Ichthyology—4 credits** First semester
The taxonomic, morphological, physiological, ecological and economic aspects of the fishes. Three one hour lectures and one three hour laboratory per week. Prerequisite: Natural History of the Vertebrates.
- 421 Mammalogy—3 credits** Second semester
A lecture, laboratory and field course dealing with the classification, identification, structure, distribution, and life habits of mammals. Two lectures and one two-hour laboratory period per week. Prerequisite: Natural History of the Vertebrates or consent of instructor. Alternates with Ornithology.

PHYSICAL SCIENCES

C CHEMISTRY**Lower Division**

***101-102 Introduction to Chemistry—4 credits** Each semester

This course is designed for those students whose interests may lie in fields other than chemistry and engineering. The course deals with fundamental principles of chemistry. First semester—atomic and molecular structure, states of matter, general reactions, and solutions. Second semester—ionization, equilibrium, redox, electrochemistry and an introduction to Organic Chemistry. The second semester also includes introductory, semi-micro, qualitative analysis. Three lectures and one 3-hour laboratory period per week.

105-106—Chemistry for Engineers—4 credits Each semester

Course intended only for engineering majors. A thorough study of the fundamentals and principles of chemistry involving their application to various elements. The second semester includes qualitative analysis on the semi-micro scale. Three lectures and one 3-hour laboratory period per week.

***111-112 General Chemistry—5 credits** Each semester

A thorough study of the fundamentals and principles of chemistry involving their application to various elements. The second semester includes qualitative analysis on the semi-micro scale. This course is designed for students majoring in Chemistry, Pre-Medics, Chemical Engineering, Pharmacy and Science. Three lectures and two 3-hour laboratory periods per week. Recitations are included in the laboratory sessions. Prerequisite: high school chemistry.

***207-208 Elementary Organic Chemistry—3 credits** Each semester

An introductory course covering the fundamental principles and applications of organic chemistry. Designed for those students who do not require an intensive study of chemistry. Two lectures and one 3-hour laboratory per week. Prerequisite: Chemistry C-102 or C-112, or C-106.

***217-218 Organic Chemistry Lecture—3 credits** Each semester

A comprehensive study of organic compounds with emphasis on reaction mechanisms and synthesis.

Designed to fulfill the requirements of Chemistry majors, Chemical engineers, and professional and preprofessional students. Three lectures per week. Prerequisite: General Chemistry C-112 or Chemistry for Engineers 106.

219-220 Organic Chemistry Laboratory—2 credits Each semester

The first semester will cover the basic lab techniques used in Organic Chemistry and organic preparations. The second semester will deal with the interpretation of spectra and qualitative analysis. Two three-hour labs per week. Prerequisite: Chemistry 217-218 or concurrent enrollment.

Upper Division

311 Analytical Chemistry—5 credits First semester

Quantitative application of mass and volume relationships and of chemical equilibria to gravimetric and volumetric analysis. Three lectures and two 3-hour laboratory periods per week. Prerequisite: General Chemistry C-112.

321-322 Physical Chemistry—4 credits Each semester

A study of chemical thermodynamics, reaction kinetics, phase equilibria, electrochemistry, absorption, molecular structure, and quantum theory. Three lectures and one 3-hour lab per week. Prerequisite: General Chemistry C-112, General Physics PH-102 or Engineering Physics PH-212, and Calculus and Analytic Geometry M-206 or equivalent.

401-402 Advanced Inorganic Chemistry—2 credits Each semester

The first semester will cover nuclear reactions, atomic and molecular structure, complexions and coordination compounds, oxidation-reduction and acid-base characteristics, and non-aqueous solutions. The second semester discusses the properties of substances and the periodic table interpreted on the basis of atomic and molecular structure. Three lectures per week. Prerequisite: Physical Chemistry C-321 and C-322.

*Certain courses cover somewhat similar subject matter, and credit cannot be granted for both courses. Credits for C-101, 102 will not be allowed if credit is given in C-111, 112. Credits for C-207, 208 will not be allowed if credit is given in C-217, 218.

†A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates either course may be taken independently of the other.

411 Instrumental Analysis—4 credits Second semester

Theory and practice of the more common instrumental methods of analysis, laboratory experience with commercial instruments. Two lectures and two three-hour labs per week. Prerequisite: Analytical Chemistry C-311.

417, 418 Chemical Preparations—Organic—1 credit Each semester

A course designed to give students practical experience in the preparation of Organic compounds. The student will be assigned a number of compounds to prepare. May be taken either in one semester for 2 credits or in two semesters for 1 credit each semester. Prerequisite: Organic Chemistry C-218 and Senior standing.

421, 422 Chemical Preparations—Inorganic—1 credit Each semester

A course designed to give students practical experience in the preparation of Inorganic compounds. The student will be asked to prepare a number of compounds. May be taken either in one semester for 2 credits or in two semesters for 1 credit each semester. Prerequisite: Physical Chemistry C-321 and C-322 and Senior standing.

431 Introduction to Biochemistry—3 credits Second semester

A study of the chemistry of biologically important compounds, and an introduction to metabolism. Three lectures per week. Prerequisite: C-208 or C-218.

432 Biochemistry Laboratory—1 credit Second semester

Identification, isolation, and reaction of biologically important compounds. One 3-hour laboratory per week. Prerequisite: C-431 or concurrent enrollment.

498, 499 Chemistry Seminar—1 credit Each semester

Group discussions of individual reports on selected topics in the various fields of Chemistry. Prerequisite: Chemistry Major and Senior standing.

GO GEOLOGY Lower Division**100 Fundamentals of Geology—4 credits** Each semester

An introduction to the principles of physical and historical geology. Topics include weathering, erosion, glaciation, volcanism, earthquakes, the study of rocks, minerals, and maps, the origin of the earth, and its physical and biological development. Open to all students except those with previous credit in geology, geology or earth science majors, and those nonscience majors who plan an 8 hour sequence in geology. Three lectures and 1 three-hour lab per week.

101 Physical Geology—4 credits First semester

A study of the origin and development of the earth's materials, land forms, internal structures, and the physical processes acting on and in the earth that produce continuous change. Topics include weathering, erosion, glaciation, volcanism, metamorphism and igneous activity, mountain building, earthquakes, and the origin of continents, ocean basins, and landscapes. The laboratory provides instruction and practice in the identification of rocks and minerals, and the use of topographic and geologic maps. Three lectures and one three-hour laboratory per week. Field trip required.

103 Historical Geology—4 credits Second semester

A study of the origin of the earth and evolution of plants and animals. The geologic history of the earth is treated in considerable detail. Prehistoric life and fossil study as well as field trips to fossil beds are included in the laboratory work. Three lectures and one three-hour laboratory per week. Prerequisite: GO-101 Physical Geology.

105 Rocks and Minerals—3 credits Either semester

A systematic study of rock formation and ore minerals, with emphasis on crystal structure and methods of mineral identification. Field trips and laboratory session are a part of the course for those taking the class for credit. Prerequisite: High school chemistry or permission of the instructor.

201 Introduction to Ocean Geology—3 credits Second semester

A general study of the physiography, the structures, and the sediments of the ocean floors and the geologic processes and environments represented thereby. Methods and instruments of ocean floor investigation are also studied. Two one-hour lectures per week. Prerequisite: G-103, Historical Geology.

213 Introduction to Meteorology—3 credits Second semester

An introduction to the study of weather phenomena in terms of origin distribution and classification. Instruments and research methods are also investigated. Prerequisite: GO-101, Physical Geology. Three 1-hour lectures.

Upper Division

301 Structural Geology—4 credits

First semester

A study of the physical nature of rocks, the origin, description, classification, and interpretation of deformational structures of the earth's crust, and the principle theories of deformation and orogeny. Lab problems in recognition and analysis of geologic structures, the geometry of faults and folds, construction of maps and cross sections, and the use of aerial photos. Field trip. Three lectures and one three-hour lab per week. Prerequisite: Historical Geology and College Algebra and Trig.

311 Sedimentology—4 credits

First semester

A study and classification of sedimentary rocks and all processes involved in their genesis. Major heading or weathering, erosion, transportation, deposition and diagenesis. Geologic environments of each process and each rock type are studied. Laboratory work consist of microscopic, chemical and other analyses of sedimentary rocks and of a study of the methods and instruments used in statistical treatment of sediments for mapping and research purposes. Three one-hour lectures and one 3-hour laboratory per week. Prerequisite: GO-103 Historical Geology and M-111, College Algebra and Trigonometry, C-112 General Chemistry.

312 Stratigraphy—4 credits

Second semester

The study of sedimentary strata with chronology as its special aim. Emphasis is placed on genetic environments, natural sequences of formations and facies, and correlation techniques. The classification and dating of sedimentary units is the end result. Three 1-hour lectures and one 3-hour laboratory per week. Prerequisite: GO-311, Sedimentology.

313—Geomorphology—3 credits

First semester

A study of the external physiographic features of the earth's surface such as mountains, valleys, beaches, and rivers and the processes by which they are formed and changed. Laboratory work consists of map studies and field investigations. Two lectures and one three-hour laboratory per week. Prerequisite: GO-103 Historical Geology.

401 Mineralogy—4 credits

First semester

A study of genesis, distribution and classification of minerals. This includes some crystallographics, optical, and chemical methods. Laboratory work consists of mineral analysis and observation by the use of microscopes, chemicals, and models. Three 1-hour lectures and one 3-hour laboratory per week. Prerequisite: GO-311. Sedimentology.

402 Petrology—4 credits

Second semester

Study of igneous, sedimentary, and metamorphic rocks with emphasis on physical and chemical conditions controlling the origin, occurrence, and association of the various rock types. Field relationships, identification of rocks in hand specimen, and an introduction to microscopic analysis. Two one-hour lectures and two three-hour labs per week as well as two all day Saturday field trips. Prerequisite: GO 401.

411 Invertebrate Paleontology—3 credits

Second semester

A study of general principles of paleontology and the classification of fossils. Both theoretical aspects, and practical applications are considered. The laboratory work consists of becoming acquainted with actual fossil specimens and the rocks in which they are found for identification and classification purposes. Methods of separation and handling are also considered. Three 1-hour lectures and one 3-hour laboratory per week. Prerequisite: GO-103, Historical Geology.

412 Groundwater Geology—3 credits

First semester

A study of the origin of water found beneath the earth's surface and the geologic conditions which permit the movement, work, and accumulation of water in subsurface materials. Emphasis is placed on structural, sedimentational, and stratigraphic conditions most conducive to the formation of ground water reservoirs. Three 1-hour lectures per week. Prerequisite: GO-301, Structural Geology and GO-312, Stratigraphy.

498, 499 Geology Seminar—1 credit

Either semester

Research project based on field and/or literature studies. Fundamentals of geologic report preparation and oral presentations. Prerequisite: Earth Science major and Senior standing.

HE HOME ECONOMICS**Lower Division**

Students may select an area in Home Economics as preparation for home-making, food management in commercial and educational institutions, nursery school education, home service in the equipment field, clothing and textiles, homemaking education, or commercial positions concerned with the problems of the homemaker.

101 Introduction to Home Economics—1 credit First semester

Designed to acquaint the freshman student with the field of home economics. Emphasis on opportunities in the professional fields, organization of program, choice of vocation, personal qualifications for living and working with people.

103 Clothing—3 credits Second semester

Application of basic construction principles with commercial patterns. Emphasis is on organization, basic speed techniques, and fundamental fitting as related to the wearer. One hour lecture and two 3-hour laboratory periods per week.

107 Clothing Selection—2 credits Second semester

Principles of design applied to the selection of line, texture, color in terms of individual figure proportions, need and income. Emphasis is placed upon selection, purchase and care of ready-to-wear apparel, fabrics and accessories.

109 Textiles—3 credits Second semester

Relationship of raw materials, construction, and finish to quality and cost: identification of fibers, yarns, and fabrics: selection of appropriate fabrics for various uses, considering wearing qualities and care required.

111 Costume Analysis and Design—2 credits First semester

Recognition of fashion trends, basic silhouettes, lines, styles and details of garment construction. Creative expression in fabric interpretation and adaptation of costumes and accessories from period research and other sources. Two lectures per week.

201 Introduction to Foods—3 credits Second semester

Basic principles of food preparation: consideration of factors which will affect quality, nutritive value, and acceptability of foods, such as method of preparation, ingredients used and method of cooking. One hour lecture and two 3-hour laboratory periods per week. Prerequisite: Nutrition HE-207 or permission of the instructor.

203 House Planning—3 credits Second semester

Basic consideration in house planning; planning for economy, comfort and beauty in house construction. Evaluation of floor plan in terms of family needs, interior and exterior design, materials, costs, methods of construction. Housing in relation to the family and community.

207 Nutrition—3 credits First semester

Study of fundamentals of nutrition as a factor in maintaining good health. Present day problems in nutrition are also discussed. Three lectures a week.

Upper Division**303 Advanced Clothing—3 credits** Second semester

Continued study of clothing construction with selection and fitting of commercial basic pattern to the individual. The application of alteration to meet the needs of each student enrolled. Special emphasis on fitting problems and children's clothing. Prerequisite: Clothing HE-103. Recommended: Textiles HE-109.

305 Home Furnishings and Interior Design—3 credits First semester

Color and design; selection and arrangement of furniture and furnishings, floor coverings, wall and window treatment, lighting, interior finishes, accessories, china, glass, and silver, flower arrangement. Three lectures per week. Prerequisite: Basic Design or permission of the instructor.

M MATHEMATICS**Lower Division****012 Arithmetic Review—0 credits**

Summer session

Fundamental operations with real numbers, linear equations and stated problems. For students with little or no algebra who want to review pre-algebra mathematics.

020 Algebra Review—0 credits

Each semester

A refresher course for students in engineering, science, or business not ready for M-111 or M-105. Algebra is covered from first fundamental operations through the level required for M-111 or M-105.

103-104 Modern Mathematics for**Elementary Teachers—3 credits**

Each semester

Fundamental concepts of mathematics including the study of place value and bases, arithmetic operations, the postulates for the set of real numbers, and fundamental algebraic and geometric principles. Designed for elementary teachers. Prerequisite: One year of high school algebra and plane geometry or permission of the instructor.

105 Fundamental Concepts of Mathematics—4 credits

Each semester

Sets, logic, number theory, review of algebra, trigonometry, matrices, linear programming, the simplex method. Designed primarily for non-science students. Prerequisite: M 020 or two years of high school algebra, or one year of high school algebra and a satisfactory placement score. Placement will be determined by a test given on the first meeting of M 105 and by the ACT mathematics subscore.

106 Fundamental Concepts of Mathematics—4 credits

Each semester

Calculus; introduction to probability and statistics. Designed primarily for non-science students. Prerequisite: M-105 or M-111.

111 Algebra and Trigonometry—5 credits

Each semester

Selected topics in college algebra together with plane trigonometry. The course will prepare the student for analytic geometry and calculus. Prerequisite: the passing of a placement test in algebra or a grade of "satisfactory" in M-020.

112 Calculus and Analytic Geometry—5 credits

Each semester

Analytic geometry of the straight line, functions, limits, continuity, derivations and algebraic functions with applications, definite and indefinite integrals with applications. Prerequisite: M-111 or the passing of a placement test in algebra and trigonometry.

126 Mathematics of Programming—2 credits

Each semester

Mathematics of computer science with introductory numerical methods. Comparison of the mathematical logic and theory behind Algol, Basic, Fortran, Compass and other systems. Discussion of binary and octal number systems as used for various languages. Prerequisite: EN-104.

205 Calculus and Analytic Geometry—4 credits

Each semester

Transcendental functions, methods of integration determinants, matrices and linear equations, analytic geometry of conics, polar and parametric equations. Prerequisite: M-112 or the passing of a placement test over the material of M-112.

206 Calculus and Analytic Geometry—4 credits

Each semester

Solid analytic geometry, vectors, series, partial derivatives, multiple integrals, introduction to differential equations. Prerequisite: M-205.

Upper Division**301 Linear Algebra—4 credits**

Each semester

Linear algebra, vector spaces and matrices. Prerequisite: M-206.

302 Introduction to Abstract Algebra—3 credits

Second semester

Sets, Boolean algebra, integral domains, groups, fields, rings and ideals. Prerequisite: M-206.

306 Number Theory—3 credits

Second semester

Primes, congruences, Diophantine equations, residues, quadratic forms, continued fractions. Prerequisite: M-206.

311 Foundations of Geometry—3 credits

First semester

Euclidean, non-Euclidean, and projective geometries from an axiomatic point of view. Required of all secondary mathematics education majors. Prerequisite: M-206.

- 312 Differential Geometry—3 credits** Second semester
Study of geometry of curves and surfaces in Euclidean spaces. Maps, networks, topological equivalence of figures, Jordan Curve Theorem, topological spaces, metric spaces. Prerequisite: M-206.
- 314 Foundations of Analysis—3 credits** Each semester
Logic, Axiomatics, Sequences, Foundations of Calculus, Structure of the Real Numbers. Prerequisite: M-206.
- 321 Advanced Engineering Mathematics—4 credits** Each semester
Ordinary differential equations emphasizing transform methods and electrical and mechanical circuit differential equations; Fourier series and harmonic analysis; Vector calculus with line and surface integrals. Prerequisite: M-205 completed; M-206 concurrent or completed.
- 331 Differential Equations—4 credits** Second semester
Ordinary differential equations with applications to physical sciences and engineering. Prerequisite: M-206.
- 340 Numerical Analysis—4 credits** Second semester
The application of numerical methods, general iterative methods, approximation of functions, error analysis with the implementation of computer programming. Fortran programming will be utilized. Prerequisite: EN-104 or DP-221 or consent of the instructor together with concurrent or previous enrollment in M-206.
- 361 Fundamentals of Statistics—4 credits** Each semester
Probability and random variable on finite sets. Distributions. Central limit theorem. Descriptive Statistics. Regression and Correlation. Tests of hypotheses. Design of experiments and sampling surveys. Prerequisite: M-106 or M-112.
- 401-402 Advanced Calculus—3 credits** Each semester
The real number system, continuity, functions of several variables, partial differentiation, multiple integrals, line and surface integrals, theory of integration, transformations, infinite series. Prerequisite: M-314.
- 406 Theory of Functions of a Complex Variable—3 credits** First semester
Complex numbers, point sets, functions of a complex variable, analytic functions, infinite series, integration, conformal mapping. Prerequisite: M-314.
- 411 Introduction to Topology—3 credits** First semester,
alternate years
Sets, metric spaces, topological spaces, continuous mappings, connectedness, function spaces. Prerequisite: M-314.
- 421-422 Applied Mathematics—4 credits** Each semester
Partial differential equations of mathematical physics, conformal mapping, transform methods, integral equations, matrix problems. Prerequisite: M-321.
- 431-432 Probability and Statistics—3 credits** Each semester
Basic concepts of probability theory, sample spaces, random variables, mathematical expectation, central limit theorem, stochastic processes, estimation and testing of hypotheses. Prerequisite: M-361.
- 441 Abstract Algebra I—3 credits** Fall semester
Homomorphisms, prime ideals, prime radical, rings of endomorphisms, irreducible rings of endomorphisms, R-modules, Jacobson radical, descending chain condition. Prerequisites: M-301, M-302.
- 442 Abstract Algebra II—3 credits** Spring semester
Polynomial rings, simple extensions, algebraic extensions, splitting fields, separable extensions, automorphisms of fields, normal extensions, Galois theory, finite fields, generic polynomials. Prerequisites: M-301, M-302.
- 490 Mathematics in Secondary Schools—3 credits** First semester
Objectives, content, and methods of secondary school mathematics programs. Prerequisite: Six hours of mathematics completed at, or above, the three hundred level.

EN ENGINEERING Lower Division

- 101 Technical Drawing—2 credits** Each semester
A basic course of technical drawing procedures for those with little or no high school or work experience background in this area. Covers lettering, use of drawing instruments, geometric construction, orthographic projections, sectioning, dimensioning, pictorial drawings, working drawings and graphic solution of point line and plane problems. Two 2-hour lecture laboratory periods per week.

102 Engineering Graphics—2 credits Each semester

Basic descriptive geometry involving points, lines and planes. Size description and use of graphic principles in communication drawings for technical purposes. Freehand sketching and the role of graphics in engineering design. Prerequisite: One year or more of high school mechanical drawing or appropriate drafting experience as demonstrated by a placement examination.

103 Engineering Orientation—2 credits Each semester

A basic orientation to the profession of engineering and a preview of the nature and organization of an engineering curriculum. The process of engineering design is introduced by means of a team design project. Corequisites: M-112 and EN-102 or EN-101.

104 Digital Computer Programming—2 credits Each semester

Course for engineering, science or mathematics majors to introduce programming principles and logic. Consideration given to input-output, flow charting, handling arrays, function and subroutine subprograms, applied to problem solving. Prerequisite: M-111 or M-106 or having taken or taking mathematics beyond this level.

105 Architectural Drafting—2 credits Second semester

Course primarily for Architectural Design majors. Covers elements of Architectural drawing such as plot plans, floor plans, elevations, sections and structural details; wiring, heating and piping diagrams and material cost estimating. Two 2-hour lecture laboratory periods per week. Prerequisite: Technical Drawing EN-101.

106 Engineering Graphics—1 credit Each semester

Course designed as a sequence to EN-101 for engineering majors. Engineering majors must complete either EN-102 or the combination of EN-101 and EN-106. One 2-hour lecture laboratory per week. Prerequisite: Technical Drawing EN-101.

203 Mechanics (Statics)—2 credits First semester

Composition and resolution of forces; couples; laws of equilibrium; forces in frames, center of gravity; static friction. Course utilizes both conventional and vector methods. Two lectures per week. Co-requisites: Calculus M-205 and Engineering Physics PH-211.

204 Mechanics (Dynamics)—3 credits Second semester

Area and mass moments of inertia and methods of virtual work. Principles of kinetics; velocity and acceleration analysis; work-kinetic energy; impulse and momentum; power in systems of linear and angular motion. Three lectures per week. Prerequisite: Mechanics EN-203.

207 Machine Tool Laboratory—2 credits Second semester

Use of machine tools; theory and practice, one hour lecture, two hours laboratory.

215 Plane Surveying—3 credits First semester

Theory and use of instruments; errors in measurement; and computations in land surveying; topographic surveying; field astronomy, circular, spiral and vertical curves; and earth work. Two recitations and one 3-hour period of field work and computations per week. Prerequisite: Algebra and Trigonometry M-11.

221 Introduction to Electrical Engineering—3 credits First semester

Theory of direct current and magnetic circuits. Three lectures per week. Prerequisite: Algebra and Trigonometry M-111 accompanied by Engineering Physics PH-211.

223 Network Analysis—4 credits Second semester

Deal with circuit analysis of advanced dc. and ac. circuit concepts including network theorems, frequency domain analysis and coupled circuit. Three recitations per week and one three-hour laboratory. Prerequisite: Introduction to Electrical Engineering EN-221.

Upper Division**301 Fluid Mechanics—3 credits**

Second semester

Physical properties of fluids; fluid mechanics and measurements; viscous and turbulent flow, momentum, lift, drag, and boundary layer effects; flow in pipes and open channels. Three recitations per week. Prerequisites: Calculus M-206 and Mechanics: Dynamics EN-204.

306 Mechanics of Materials—3 credits

Second semester

Elasticity, strength, and modes of failure of engineering materials, theory of stress and strains for columns, beams and shafts. Three class periods per week. Prerequisites: Mechanics: Statics EN-203 and Calculus M-205.

320 Thermodynamics and Heat Transfer—3 credits

First semester

First and Second Laws of thermodynamics, thermodynamic processes; thermodynamic properties of fluids; flow processes; heat to work conversion; refrigeration; conduction and radiation. Three recitations per week. Prerequisites: Calculus M-206 and Mechanics: Dynamics EN-204.

PS PHYSICAL SCIENCE**Lower Division****101-102 Principles of Physical Science—4 credits**

Each semester

Selected fundamental principles (motion, energy, structure of matter) of physical sciences are examined and applied in the various science areas. Historical astronomy, scientific and pseudo-scientific literature, philosophy and methodology of science are briefly examined. A year sequence course for non-science majors. Three lectures and one 2-hour laboratory per week.

110 Foundations of Physical Science—4 credits

Each semester

Selected concepts of matter and energy that are widely applicable toward understanding our physical and biological environment. A one semester course for non-science majors. Three lectures and one 2-hour laboratory per week.

PH PHYSICS**Lower Division****101-102 General Physics—4 credits**

Each semester

Mechanics, sound, heat, light, magnetism, and electricity. This course satisfies the science requirement for the Bachelor of Arts and Bachelor of Science curricula, and may be taken by forestry, pre-dental and pre-medic students. Three lectures and one 3-hour laboratory period per week. Prerequisite: Algebra and Trigonometry or acceptable score on Mathematics Placement Test.

103-104 Radiological Physics—2 credits

Summer session

A course designed primarily for those who are studying to be X-Ray or radiologic technicians. Topics covered or will be fundamental physical units, energy, electricity and magnetism, atomic and nuclear physics, X-Ray production, radiation shielding and detection, radiography, isotopes, and health physics.

201 Introduction to Description Astronomy—3 credits

Second semester

An introduction to the concepts, principles, instruments and theories of astronomy. The course will consist of three one-hour lectures per week.

211-212 Engineering Physics—5 credits

Each semester

This course is intended for students in the physical sciences and in engineering, and must be preceded or accompanied by calculus. Three 1-hour lectures and two 1-hour recitations and one 3-hour laboratory per week.

Upper Division**301 Electronics Lab—2 credits**

First semester

Electrical measurements, power supplies, amplifier circuits, oscillators, servo systems, and electronic switching and timing. Two 3-hour laboratory periods per week. Prerequisite: PH-212.

311-312 Modern Physics—3 credits

Each semester

A brief introduction to the special theory of relativity, basic ideas and methods of elementary quantum mechanics with applications to atomic and nuclear physics, and properties of matter. Three lectures per week. Prerequisite: PH-212, C-112, and M-206 or equivalent.

- 381-382 Electricity and Magnetism—3 credits** Each semester
Electrostatic fields, potentials, Gauss' law, solutions of Laplace's equation, electrostatics of conductors and dielectric materials, magnetic materials, vector potentials, Maxwell's equations, and electromagnetic radiation. Three 1-hour lectures per week. Prerequisites: PH-212 and M-331.

HEALTH SERVICES

EH ENVIRONMENTAL HEALTH

- *301-302 Environmental Sanitation—3 credits** Each semester
First Semester — A critical review of federal, state, and city ordinances affecting food processing and handling. Second Semester — Areas of special community sanitation problems concerning such as waste disposal, insect and rodent control, industrial hygiene, and radiological sanitation, etc.
***401 Public Health Administration—2 credits** First semester
Organization, administration and functions of the various health agencies. Prerequisite: Environmental Sanitation.
***350 Public Health Field Training—8 credits** Summer
Study of actual public health problems, code, compliance, recording procedures, degrading procedure, etc. Prerequisite: Environmental Sanitation.

MR MEDICAL RECORD TECHNICIAN

- 101 Medical Terminology—3 credits** First semester
An introduction to Greek and Latin prefixes, roots, and suffixes used in medical terminology, as well as the study of anatomical, physiological, and pathological terms according to systems of the body.
104 Medical Legal Concepts—2 credits Second semester
A study of the principles of law and ethics as applied to medical records practice.
110-111 Medical Record Science—4 credits First year
Orientation to Medical Record profession, including its history and progress. Students will learn how to analyze a medical record, check it for completion, code and index according to disease and operation, filing systems, statistics, and medical transcription. Planned laboratory experiences will provide practice in these procedures.
160 Medical Record Science—Directed Practice—4 credits Summer
Experience is gained by students through actual assignment to an operating medical record department in a hospital or other health related institution, under the guidance of a Registered Medical Record Librarian. Prerequisite: MR-111.
210-211 Advanced Medical Record Science—5 credits Second year
Includes detailed coding and indexing of medical records, hospital accreditation standards, out patient department records, Medicare, cancer registry, and methods of record keeping in nursing homes or extended care facilities. Provides 12 hours per week of directed practice in hospitals, or other health related institutions. Prerequisite: MR-160.
221 Health Institutions Management—3 credits Second semester
An introduction to the organizational, management, administrative, social, and economic aspects of the major health institutions. Particular emphasis is placed on internal organization and management including departmental, administration, medical staff, and trustee relationship in hospitals.

MT MEDICAL TECHNOLOGY Lower Division

- 101 Introduction to Medical Technology—1 credit** First semester
A brief orientation course designed to acquaint the student with the field of medical technology as a profession.

RT REHABILITATION THERAPY

- 101 Health Concepts—3 credits** First semester
This course is concerned with information of relevance to all persons engaged in work in the health field. It provides the student with a broad understanding of the disease process, the means our society uses to prevent, cure and control disease, and current health problems. An examination of the characteristics and qualifications of the several levels of health workers, their relationship with one another and with the rest of society is also included. Three hours lecture per week.

*Will not be offered 1970-71.

103 Introduction to Physical Therapy—4 credits

First semester

The objective of this course is that of introducing the Physical Therapy Assistant Trainee to the general philosophy of rehabilitation, the history of the physical therapy profession, the objectives of physical therapy treatment and its physical and psychological implications. Students will receive role orientation as well as instruction and practical experience in body mechanics, transfer activities, and wheelchair operation. Two hours lecture and six hours laboratory per week.

104 Introduction to Physical Therapy—4 credits

Second semester

Includes basic theory and practical experience to assist the PTA Trainee in developing an understanding of and proficiency in aseptic technique, medical assisting skills, and physical modalities such as hydrotherapy, diathermy, infra-red, ultrasound, etc. Three hours lecture and nine hours laboratory per week.

150 Fundamentals of Physical Therapy Procedures—6 credits

Summer

A synthesis of classroom and clinic experiences including units on functional anatomy and mobility exercise, massage, ethics, interpersonal relations, and medical-legal considerations. Includes actual clinic practice under faculty supervision. Four hours lecture and nine hours laboratory per week.

202 Personal Health Services—3 credits

Second semester

This course is designed to give health workers a general orientation to the various components of the medical care system, its interrelationships and interdependencies. Students will be introduced to the patterns of organization and delivery of health care and to the public and private agencies responsible for the provision of personal health services including hospitals, nursing homes, home care programs, voluntary health agencies, etc. Course will include site visits of these various facilities and/or agencies as well as local resource lecturers in the health or health-related fields. Three hours lecture per week.

203 Advanced Physical Therapy Procedures—4 credits

First semester

A course directed to functional training and control exercise management in selected disabilities. Coordinated lecture and laboratory activities designed to provide the student with an understanding of and proficiency in the following: physical and mental effects of inactivity on body systems; introduction to medical conditions with implications for physical therapy; activities of daily living; exercise routines for strengthening, endurance and coordination. Four hours lecture and twelve hours of laboratory per week.

204 Advanced Physical Therapy Procedures—4 credits

Second semester

Provides information and practical experience relating to the techniques of rehabilitative management and their pathological considerations. Includes a review of medical conditions with implications for physical therapy (i.e., neurological, orthopedic, geriatric, pediatric, etc.), psycho-social relevance, ambulation methods, amputee management, spinal cord injury management, advanced transfer activities, and mat routines. Four hours lecture and twelve hours laboratory per week.

250-251 Clinical Affiliation—12 credits

Summer

Students are assigned to work in an institution or facility under the direction of a registered physical therapist. A classroom seminar is included to allow the student an opportunity to evaluate his clinical experiences and to analyze his own strengths and weaknesses therein. (NOTE: The actual time required for the clinical affiliation period is, as yet, undetermined and will depend upon the guidelines to be established by the American Physical Therapy Association. A rough estimate would be that of approximately 200 hours or 20 hours per week for a ten-week period.)

RN REGISTERED NURSING**111 Basic Health Needs—5 credits**

First semester

Presents the basic human needs, mental and physical, for normal health as applied to people in the community and hospital. The student is given the opportunity of providing and evaluating the basic health needs of hospitalized people. Two lectures and three laboratory periods per week.

112—Maternal and Child Health—6 credits

Second semester

Presents basic health needs of the family during the reproductive cycle. Methods of nursing care to make childbirth physically safe and emotionally satisfying to the family are taught. The characteristic tasks of the well child from birth through adolescence are included in the course. Four lectures and two laboratory periods per week. Prerequisite: Basic Health Needs RN-111.

210 Introduction to Deviations from Basic Health—4 credits

Summer

Deviations from health are presented in relation to concepts of basic human needs. The nursing care of the ill patient will be studied in this framework. The emphasis will be placed on mental health deviations while caring for patients with both mental and physical illness. Skills in providing comfort measures for the physically ill will be increased. Two lectures and two laboratory periods. Prerequisite: Maternal and Child Health. RN-112.

211 Deviations from Basic Health—9 credits

First semester

Deviations from health continue to be presented in relation to concepts of basic human needs. The emphasis will be placed on nursing care of persons of all ages with physical health deviations. Patients cared for will have both physical and mental illness. Five lectures and four laboratory periods per week. Prerequisite: Introduction to Deviations from Basic Health. RN-210.

212 Complex Health Deviations—8 credits

Second semester

Deviations from health in complex conditions will be presented in relation to concepts of basic human needs. The emphasis in nursing care will be placed on the three most common causes of death, cardiovascular disease, cancer and accidents. Knowledge and skill in giving nursing care to the patient with these conditions will be taught. Four lectures and four laboratory periods per week. Prerequisite: Deviations from Basic Health. RN-211.

213 Nursing Seminar—2 credits

Second semester

Discussion of problems relating to the role of the graduate as a registered nurse. Two lectures per week.





PART IV

School of Business and Public Administration

DEPARTMENTS AND FACULTY

OBJECTIVES

CENTER FOR BUSINESS AND ECONOMIC RESEARCH

SPECIAL REQUIREMENTS AND OPTIONS

BACHELOR DEGREE PROGRAMS

TWO-YEAR PROGRAMS

COURSE OFFERINGS

School of Business and Public Administration

DEAN:

Departments and Faculty

DEPARTMENT OF ACCOUNTING AND DATA PROCESSING:

Dr. V. D. Blickenstaff, Chairman

Professor: Blickenstaff

Associate Professors: Underkofler, Carson

Assistant Professors: Gines, Bell

Instructor: Maxson

DEPARTMENT OF BUSINESS EDUCATION AND OFFICE ADMINISTRATION

Dr. M. Clark, Chairman

Associate Professors: Clark, Cornwell, Lee, Johnson

Assistant Professors: Brender, Chandler, Williamson

Instructor: Crumpacker

DEPARTMENT OF ECONOMICS AND PUBLIC ADMINISTRATION

Dr. E. Lamborn, Chairman

Professor: Lamborn

Assistant Professors: Hart, Eastlake, Hopfenbeck, Payne

DEPARTMENT OF GENERAL BUSINESS

Dr. C. Phillips, Chairman

Professors: Young, Phillips

Associate Professors: Miller, Wilson, Knowlton, Scudder, White.

Assistant Professors: Tipton, Allen, Daflucas, Lane, Wolfe

Instructors: Lemmon, Byers

OBJECTIVES

The broad scope of offerings within the School of Business and Public Administration requires and embraces a variety of objectives. In general, the school seeks to prepare young men and women for positions of responsibility in business and government units and to provide training to assist all students in becoming responsible members of the democratic society and the economic system in which we live.

More specific objectives would include:

- (1) The preparation of graduates for management training entrance into business oriented fields, providing a rather broad background of liberal and occupational oriented courses.
- (2) The preparation of graduates for entrance positions in specialized occupations such as sales, accounting, or office management.
- (3) The training of business oriented workers for positions requiring less than the normal 4-year course of study through specialized curricula.
- (4) The preparation of non-business students as well as business students for assumption of citizenship responsibilities in their future relationships with the business world.
- (5) The preparation of graduates for positions with governmental units in administration and police science.
- (6) The preparation of graduates for entrance into graduate schools of business or public administration.

CENTER FOR BUSINESS AND ECONOMIC RESEARCH

A Center of Business and Economic Research has been established within the School of Business and Public Administration to support and further

research opportunities for students and faculty. The research takes a variety of forms, to be utilized by both the community at large and specific clients. Faculty and upper division students are used in part-time capacities as the need arises.

SPECIAL REQUIREMENTS AND OPTIONS

Typing Ability All applicants for the Bachelor's degree in any business or public administration curriculum must either pass a proficiency test in typing or successfully complete a course in typewriting. Tests will be given each semester at a time and place indicated by the School of Business and Public Administration.

Bachelor of Arts or Bachelor of Science Degrees Students enrolled in a curriculum leading to the Bachelor of Business Administration degree may, at their option, qualify for the B.A. or B.S. degree by using elective hours to complete additional requirements in the humanities, social sciences, and science. Advisors should be consulted about these additional requirements.

Students enrolled in the General Business curriculum or Public Administration curriculum will qualify for the B.A. degree by following the outline shown in the catalog. These majors may not qualify for the B.B.A. degree.

Advanced Placement Students with a background in material covered by a specific course because of training in high school, business college, or work experience, may request direct placement in higher level courses of that area. Any credit hours saved by such placement may be used as electives.

Two-year Programs Specialized curricula in Mid-Management, Fashion Merchandising, Secretarial Science, Police Science, and Medical Secretarial areas are offered in addition to the baccalaureate programs. Most students enrolled in such programs plan to leave college at the end of two years after earning a diploma or the A.S. degree. Credits earned in such courses may be later applied toward the Bachelor's degree but students should understand that they may be required more than an additional 64 hours of credit to meet all requirements for the Bachelor's degree.

Bachelor Degree Programs

ACCOUNTING MAJOR

Bachelor of Business Administration Program

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Junior Year:		
English Composition	3	3	Business Law	3	3
Intro. to Business	3	—	Price Theory	3	—
General Psychology	—	3	Income & Employment	—	3
Mathematics	4	4	Cost Accounting	3	—
Prin. of Accounting	3	3	Advanced Accounting	—	3
Fund. of Speech	3	—	Intro. to Data Proc.	3	—
Humanities Elective*	—	3	Corporate Finance	—	3
	16	16	Business Comm.	3	—
			Elective	—	3
				15	15
Sophomore Year:			Senior Year:		
Prin. of Economics	3	3	Indiv. Income Tax	3	—
Intermediate Acctg.	3	3	Human Relations	—	3
History	3	—	Auditing	3	—
Literature	3	3	Prin. of Marketing	—	3
Physical Education	1	1	Business Statistics	3	—
Electives	3	6	D. P. for the Acct.	—	2
	16	16	Seminar in Bus.Ad.	2	—
			Prin. of Management	3	—
			Electives	3	9
				17	17

*Chosen from Introduction to Music, Art, Drama, Humanities, or Philosophy.

BUSINESS EDUCATION MAJOR (Secretarial Option)**Bachelor of Business Administration Program**

		1st	2nd			1st	2nd
		Sem.	Sem.			Sem.	Sem.
Freshman Year:				Junior Year:			
English Composition	3	3		Literature	3	—	
Introduction to Business	3	—		Prin. of Marketing	3	—	
Business English	—	3		Business Comm.	—	3	
History	3	—		Electives	3	3	
General Psychology	—	3		Sec. Sch. Methods	—	3	
Business Math/Machines	4	—		Business Law	3	—	
Humanities Elective*	—	3		Office Mgmt.	—	3	
Physical Ed.	1	1		Adv. Shorthand	4	—	
Prin. of Economics	3	3		Secretarial Procedures	—	4	
	17	16			16	16	
Sophomore Year:				Senior Year:			
Literature	3	—		Methods in Bus. Ed.	3	—	
Beginning and Intermediate Typing**	2	2		Bus. Curr. and Prob.	—	3	
Mathematics	4	4		Office Proc. & Equip.	4	—	
Principles of Accounting	3	3		Speech for Teachers	—	3	
Beginning and Intermediate Shorthand**	4	4		Intro. to Data Proc.	3	—	
Found. of Education	—	3		Ed. Psychology	—	3	
	16	16		Bus. Stud. Teaching	—	6	
				Electives	6	—	
					16	15	

BUSINESS EDUCATION MAJOR (Bookkeeping Option)**Bachelor of Business Administration Program**

		1st	2nd			1st	2nd
		Sem.	Sem.			Sem.	Sem.
Freshman Year:				Junior Year:			
English Composition	3	3		Prin. of Marketing	3	—	
Introduction to Business	3	—		Business Comm.	—	3	
Business English	—	3		Found. of Educ.	3	—	
History	3	—		Business Law	3	3	
General Psychology	—	3		Sec. Sch. Methods	—	3	
Business Math/Machines	4	—		Inter. Acctg.	3	—	
Humanities Elective*	—	3		U.D. Bus. Elective	—	3	
Electives	3	4		Money and Banking	—	3	
	16	16		Electives	5	2	
Sophomore Year:					17	17	
Principles of Economics	3	3		Senior Year:			
Mathematics	4	4		Methods in Bus. Ed.	3	—	
Principles of Accounting	3	3		Bus. Curr. and Prob.	—	3	
Beginning and Intermediate Typing**	2	2		Prin. of Management	3	—	
Physical Ed.	1	1		Speech for Teachers	—	3	
Literature	3	3		Intro. to Data Proc.	3	—	
	16	16		Ed. Psychology	—	3	
				Business Electives	3	—	
				Bus. Student Tch.	—	6	
				Business Statistics	3	—	
					15	15	

**May be waived if advanced placement is granted because of prior work, but at least two credits of typing at the intermediate level or above is required.

ECONOMICS MAJOR**Bachelor of Arts Program**

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Junior Year:		
English Composition	3	3	Price Theory	3	—
Area II Electives	3	3	Hist. of Econ. Thought	3	—
Fundamentals of Speech	3	—	Corporation Finance	3	—
History Sequence	3	3	Electives	6	6
Introduction to Business	—	3	Income and Employment	—	3
Mathematics	4	4	Comp. Econ. Systems	—	3
	16	16	Business Statistics	—	3
				15	15
Sophomore Year:			Senior Year:		
Principles of Economics	3	3	Econometrics	3	3
Humanities Elective*	3	3	Business Cycles	3	—
Literature	3	3	Upper Division		
Elective in Science	4	—	Electives in Business	6	8
Principles of Accounting	3	3	Electives	4	3
P. E.	1	1	Money and Banking	—	3
Elective	—	3		16	17
	17	16			

GENERAL BUSINESS MAJOR**Bachelor of Arts Program**

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Junior Year:		
English Composition	3	3	Prin. of Marketing	3	—
Introduction to Business	3	—	Business Law	—	3
General Psychology	—	3	Business Statistics	3	—
Mathematics	4	4	Corporate Finance	—	3
Humanities Electives*	3	3	Price Theory	3	—
Fundamentals of Speech	3	—	Income and Empl.	—	3
Area II Elective	—	3	Upper Division Electives	3	3
Physical Ed.	1	1	Area of Emphasis	3	3
	17	17		15	15
Sophomore Year:			Senior Year:		
Principles of Economics	3	3	Business Comm.	3	—
Principles of Accounting	3	3	Human Relations	—	3
Literature	3	3	Principles of Management	3	—
History	3	3	Intro. to Data Proc.	—	3
Elective in Science	4	—	Seminar in Bus. Admin.	—	2
Area II Elective	—	3	Electives	8	5
	16	15	Area of Emphasis	3	3
				17	16

AREAS OF EMPHASIS (Each General Business major chooses one option)

- Management**—12 credits chosen from Business Policies, Labor Relations, Personnel Management, Quantitative Analysis, and Government & Business.
- Finance**—12 credits chosen from Investment Management, Financial Management, Real Estate Finance, Public Finance, & Money and Banking.
- Data Processing**—12 credits chosen from Programming Techniques, Fortran, Cobol, and Data Processing Applications.
- Aviation Management**—15 credits chosen from Aviation Ground School, Private Pilot Flight Lab, Principles of Transportation, Airport Management, and Airline-Air Cargo Management.

*Chosen from introduction to Art, Music, Drama, or Humanities.

INDUSTRIAL BUSINESS MAJOR**Bachelor of Business Administration Program**

		1st Sem.	2nd Sem.			1st Sem.	2nd Sem.
Freshman Year:				Junior Year:			
English Composition	3	3		Literature	3	3	
Alg.-Trig., Calc. and Anal. Geometry	5	5		Prin. of Economics	3	3	
Chemistry for Engineers	4	4		Prin. of Marketing	3	—	
Technical Drawing and Engineering Graphics	2	1		Humanities Elective*	—	3	
Professional Speech Com.	2	—		Mechanics (Statics)	2	—	
History	—	3		Mechanics of Materials	—	3	
	—	—		Advertising Mgmt.	3	—	
	16	16		Prin. of Management	—	3	
				Upper Div. Elective	2	—	
					16	15	
Sophomore Year:				Senior Year:			
Engineering Physics	5	5		Intro. to Data Proc.	3	—	
Calc. and Anal. Geom.	4	4		Sales Administration	—	3	
Intro. to Business	3	—		Human Relations	3	—	
Gen. Psychology	—	3		Business Comm.	—	3	
Prin. of Accounting	3	3		Business Law	3	—	
P. E.	1	1		Seminar in Bus. Adm.	—	2	
	—	—		Market Research	3	—	
	16	16		Business Statistics	—	3	
				Corporate Finance	3	—	
				Electives	2	5	
					17	16	

MARKETING MAJOR**Bachelor of Business Administration Program**

		1st Sem.	2nd Sem.			1st Sem.	2nd Sem.
Freshman Year:				Junior Year:			
English Composition	3	3		Prin. of Marketing	3	—	
Introduction to Business	3	—		Business Law	—	3	
General Psychology	—	3		Price Theory	3	—	
Mathematics	4	4		Income and Employ	—	3	
Humanities Elective*	3	—		Business Statistics	3	—	
Fundamentals of Speech	—	3		Corp. Finance	—	3	
Elective	3	3		Advertising Mgmt.	3	—	
	—	—		Market Research	—	3	
	16	16		Electives	4	4	
					16	16	
Sophomore Year:				Senior Year:			
Principles of Economics	3	3		Business Comm.	3	—	
Principles of Accounting	3	3		Human Relations	—	3	
History	3	—		Prin. of Management	3	—	
Literature	3	3		Intro. to Data Processing	—	3	
Physical Ed.	1	1		Marketing Management	3	—	
Electives	—	6		Marketing Strategy	—	3	
Intro. to Sociology	3	—		Seminar in Bus. Ad.	—	2	
	—	—		Sales Admin.	—	3	
	16	16		Electives**	7	2	
					16	16	

*Chosen from Introduction to Music, Art, Drama, Humanities or Philosophy.

**Must include one course selected from Psychology 341, 431, Sociology 321, 421, 425, or Anthropology 202.

OFFICE ADMINISTRATION MAJOR**Bachelor of Business Administration Program**

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Junior Year:		
English Composition	3	3	Principles of Accounting . . .	3	3
Introduction to Business . . .	3	—	Advanced Typing and Production Typing	2	2
General Psychology	—	3	Advanced Shorthand and Transcription	4	4
Mathematics	4	4	Prin. of Marketing	3	—
Humanities Elective*	3	—	Business Law	—	3
Business English	—	3	Upper Division Electives . .	4	4
Electives	3	3		16	16
	16	16			
Sophomore Year:			Senior Year:		
Principles of Economics . . .	3	3	Human Relations	3	—
Beginning and Inter- mediate Typing**	2	2	Business Comm.	—	3
Beginning and Inter- mediate Shorthand**	4	4	Office Proc. & Equip. . . .	4	—
History	3	—	Secretarial Procedures . . .	—	4
Fundamentals of Speech . . .	—	3	Business Statistics	3	—
Physical Ed.	1	1	Intro. to Data Processing . .	3	—
Literature	3	3	Seminar in Business Administration	—	2
	16	16	Business Mathematics/ Machines	—	4
			Office Management	—	3
			Upper Division Electives . .	3	—
				16	16

PUBLIC ADMINISTRATION MAJOR**Bachelor of Arts Program**

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Junior Year:		
English Composition	3	3	Business Statistics	3	—
Mathematics	4	4	Principles of Mgmt.	—	3
Humanities Electives*	3	3	Intro. to Pub. Admin. . . .	3	—
U.S. History	3	3	Public Finance	—	3
Physical Ed.	1	1	American Politics	3	—
Electives	3	3	Business Law	—	3
	17	17	Price Theory	3	—
			Income and Employment . .	—	3
			Governmental Accounting . .	2	—
			Electives	3	4
				17	16
Sophomore Year:			Senior Year:		
Principles of Economics . . .	3	3	Human Relations	3	—
Science Elective	4	—	Business Comm.	—	3
Fundamentals of Speech . . .	—	3	Intro. to Data Processing . .	3	—
Literature	3	3	Public Personnel Admin. . .	—	3
Federal Government	3	—	Constitutional Law	3	—
State & Local Govt.	—	3	Administrative Law	—	3
Principles of Accounting . . .	3	3	Electives	6	6
	16	15		15	15

*Chosen from Introduction to Music, Art, Drama, Humanities or Philosophy.

**May be waived if advanced placement is granted because of prior work but at least two credits of typing at the intermediate level or above is required.

CRIMINOLOGY MAJOR**Bachelor of Arts Program**

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Junior Year:		
English Composition	3	3	Humanities Elective*	—	3
Physical Education (Judo)	1	—	Abnormal Psychology	3	—
First Aid	—	2	Social Psychology	—	3
History Sequence	3	3	Lab. Science or Math.	4	—
Federal Government	3	—	Administration of Justice	3	—
State & Local Governm't	—	3	Police Organization and Management	3	—
General Psychology	3	—	Criminal Law	—	3
Introduction to Sociology	—	3	Electives***	3	6
Fundamentals of Speech	3	—		16	15
Law Enforcement in Modern Society	—	3			
	16	17			
Sophomore Year:			Senior Year:		
Physical Ed. (Self-Defense; Defensive Tactics)	1	1	Juvenile Delinquency	3	—
Literature	3	3	Vice and Organized Crime	—	3
Humanities Elective*	—	3	Criminology	—	3
Lab. Science or Math. Seq.	4	4	Comparative Law Enforcement Administration or		
Patrol and Communicat'ns	3	—	Introd'n to Criminalistics	—	3
Crime Records	3	—	Special Concentration**	3	3
Law of Criminal Evidence	3	—	Electives***	9	3
Traffic Control & Reg.	—	3		15	15
Criminal Investigation	—	3			
	17	17			

TWO YEAR PROGRAMS†**FASHION MERCHANDISING—MID-MANAGEMENT**

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman Year:			Sophomore Year:		
English Composition	3	3	Introduction to Marketing	3	—
Introduction to Business	3	—	Costume Design	2	—
Retail Selling	3	—	Professional Speech	—	—
Clothing	3	—	Communication	2	—
Business Math/Machines	4	—	Retail Buying	3	—
Clothing Selection	—	2	Report Writing	3	—
Textiles	—	3	Mid-Management	—	—
Elements of Management	—	3	Work Experience	2	2
Principles of Advertising	—	3	Principles of Retailing	—	3
Mid. Management	—	—	Principles of Accounting	—	3
Work Experience	—	2	Business Psychology	—	3
Physical Ed.	1	1	Supervision of Personnel	—	3
	17	17	Elective	—	1
				15	15

*Chosen from Introduction to Music, Art or Drama or Humanities.

**Specialized courses in auxiliary services, administration, training and education, juvenile delinquency, or crime records, on advice of criminology counselor.

***Recommend inclusion of Prin. of Management, Intro. to Data Processing, Constitutional Law, Human Relations, and Prin. of Interviewing.

†Students who meet all listed courses under 2-year programs will be awarded the Associate of Science degree. Diplomas will not be awarded for partial completion of requirements.

SECRETARIAL SCIENCE

		1st Sem.	2nd Sem.			1st Sem.	2nd Sem.
Freshman Year:				Sophomore Year:			
Beginning Shorthand and Inter. Shorthand	4	4		Advanced Shorthand and Dictation	4	4	
Beginning Typing and Intermediate Typing	2	2		Advanced Typing and Production Typing	2	2	
English Composition	3	3		Office Proc. & Equip.	4	—	
Business Math/Machines	4	—		Secretarial Procedures	—	4	
Business English	3	—		Principles of Economics or Applied Psychology	3	—	
Introduction to Business	—	3		Secretarial Writing	—	2	
Principles of Accounting	—	3		Electives	3	3	
Physical Ed.	1	1					
	17	16			16	15	

MARKETING—MID-MANAGEMENT

		1st Sem.	2nd Sem.			1st Sem.	2nd Sem.
Freshman Year:				Sophomore Year:			
English Composition	3	3		Introduction to Marketing	3	—	
Introduction to Business	3	—		Principles of Retailing	—	3	
Business Math/Machines	—	4		Principles of Economics	3	—	
Retail Selling	3	—		Principles of Accounting	—	3	
Principles of Advertising	—	3		Business Psychology	—	3	
Merchandise Analysis	—	3		Report Writing	3	—	
Mid-Management				Supervision of Personnel	—	3	
Work Experience	2	2		Retail Buying	3	—	
Elements of Management	3	—		Credit & Collections	—	2	
Professional Speech Communication	2	—		Mid-Management Work Experience	2	2	
Physical Ed.	1	1		Elective	1	—	
	17	16			15	16	

CRIMINOLOGY

		1st Sem.	2nd Sem.			1st Sem.	2nd Sem.
Freshman Year:				Sophomore Year:			
English Composition	3	3		Physical Ed. (Self-Defense; Defensive Tactics)	1	1	
Physical Education (Judo)	1	—		Literature	3	3	
First Aid	—	2		Humanities Elective*	—	3	
History Sequence	3	3		Laboratory Science or Mathematics Sequence	4	4	
Federal Government	3	—		Patrol & Communications	3	—	
State & Local Govt.	—	3		Crime Records	3	—	
General Psychology	3	—		Law of Crim. Evidence	3	—	
Introduction to Sociology	—	3		Traffic Control & Reglt'n	—	3	
Fundamentals of Speech	3	—		Criminal Investigation	—	3	
Law Enforcement in Modern Society	—	3					
	16	17			17	17	

MEDICAL SECRETARY

		1st Sem.	2nd Sem.			1st Sem.	2nd Sem.
Freshman Year:				Sophomore Year:			
English Composition	3	3		Microbiology	3	—	
Physical Ed.	1	1		Medical Terminology	3	—	
Business Math/Machines	4	—		Advanced Shorthand	4	—	
Human Physiology and Anatomy	—	4		Secretarial Transcription	—	4	
Beg. & Int. Typing	2	2		Medical Office Procedures	—	3	
Beg. & Int. Shorthand	4	4		Office Proc. & Equip.	4	—	
Business English	3	—		Prin. of Accounting	—	3	
Intro. to Business	—	3		Adv. Typing & Prod. Typ.	2	2	
	17	17		Elective	—	2	
					16	14	

*Chosen from Intro. to Art, Music, or Drama or Humanities.

COURSE OFFERINGS

AC ACCOUNTING

Lower Division

†101-102 Principles of Accounting—3 credits Each semester

A study of the function of accounting in the business world. A logical development of the subject through the use of the Balance Sheet, the Profit and Loss, and other statements. Subsidiary ledgers, voucher system, payroll accounting, and income tax accounting are included.

201-202 Intermediate Accounting—3 credits Each semester

A rapid review of basic accounting principles and procedures, followed by problems relating to the valuation and presentation of property, liability, and corporate proprietorship items, and the measurement of profit and loss. Analytical accounting procedures, and the preparation of advanced working sheets and comprehensive corporate financial statements; development of special reports, ratios and other analyses. Prerequisite: AC-102 or the equivalent.

Upper Division

301 Cost Accounting—3 credits First semester

Theory of cost accounting and cost control, including job order, process, direct and standard costs, budgeting and break-even analyses. Emphasis on cost determination as a tool of management. Prerequisite: AC-202.

305 Advanced Accounting—3 credits Second semester

Specialized problems in partnership and corporation accounting. Consignment and installment sales; fiduciaries; actuarial principles for use in accounting. Prerequisite: AC-202.

360 Governmental Accounting—2 credits First semester

Accounting theory applicable to institutions, governmental units, and political subdivisions. Emphasis placed on variations in accounting procedure used by government. Prerequisite: AC-102.

380 Consolidations and Mergers—2 credits Second semester

A study of the accounting procedures employed by the consolidated or merged firm. Prerequisite: AC-202.

401 Individual Income Tax—3 credits First semester

The theory and application of the Federal income tax to individuals including an introduction to Social Security and Federal Unemployment taxes.

402 Corporate Taxation—3 credits Second semester

The theory and application of the Federal income tax to corporations organized for profit, and an introduction to partnership, trust, and estate and gift taxation. Prerequisite: AC-202 and AC-401.

405 Auditing—3 credits First semester

Procedures and standards involved in making audits and examinations of accounting records of business enterprises. Ethics, elements of public accounting, preparation and presentation of reports. Prerequisite: AC-202.

440 Accounting Theory—3 credits Second semester

A specialized course to provide a frame of reference for advanced accounting students in theory of income, in asset valuation, and in the history of accounting thought. Recommended for those students planning on the CPA examination. Prerequisite: AC-202.

450 Data Processing for the Accountant—2 credits Second semester

A study of the basic accounting procedures applicable to electronic data processing. The design, implementation, and evaluation of accounting systems utilizing the computer will be considered. Prerequisite: AC-202 and DP-311.

490 C.P.A. Problems—3 credits Second semester

Selected problems and theory to prepare students for C.P.A. examinations. Analysis of business organization, ethics, auditing. Prerequisite: AC-202.

†A hyphen between course numbers indicates that the first numbered course is a prerequisite to the second numbered course; a comma between course numbers indicates either course may be taken independently of the other.

AV AVIATION MANAGEMENT**Lower Division**

- *AV 101 Aviation Ground School—3 credits** Either semester
Survey of basic aerodynamics, meteorology, navigation, and Federal Aviation Agency regulations. At termination, the student will take the FAA Private Pilot examination. An orientation of the historical development of aviation and the development of scientific laws and basic theory of flight.
- *AV 121 Private Pilot Flight Laboratory—1 credit** Either semester
Training to include at least 16 clock hours of flight time. In addition, the course will include ground-time to familiarize and train the student in airplane equipment, preflight, take-off and landings, and other requirements as established by the Federal Aviation Agency.
- *AV 122 Private Pilot Flight Laboratory—2 credits** Either semester
Exceeds the minimum flight-hours necessary to satisfy the FAA for completion of the private pilot certificate. Students must have logged a minimum of 45 hours including 15 hours of dual instruction, 15 hours of oral instruction, and satisfactorily completed the flight examination administered by a FAA flight examiner. Prerequisite: AV 121 and successful completion of FAA written examination for Private Pilot Certificate.

Upper Division

- AV 331 Airport Management—3 credits** First semester
Selection and use of ground facilities connected with the aviation industry. Covers construction and communication facilities, cargo and passenger handling procedures and policies, flight-deck and maintenance crew services, operation and maintenance of public facilities. Prerequisite: AC 102.
- AV 351 Airline and Air Cargo Management—3 credits** Second semester
The functions of management in airline operations. Air carrier familiarization, effect of federal regulations, market analysis, and unit organization. Includes implications of decision-making in the areas of industrial, financial, and economic phases of aviation management.

BE BUSINESS EDUCATION**Upper Division**

- 401 Methods in Business Education—3 credits** First semester
Methods and materials of instruction in business subjects. Application of principles of learning and teaching to business education. Must be taken in the semester immediately preceding student teaching.
- 421 Business Curriculum and Problems—3 credits** Second semester
A seminar type class dealing with current problems and issues facing business teachers in the fields of curriculum, research, and class content. Individual research and presentation is emphasized.
- 471 Business Student Teaching—6 credits** Second semester
Supervised teaching in public schools under the direction of qualified, selected business instructors. Prerequisite: permission of director.

DP DATA PROCESSING**Lower Division**

- 101 Principles of Data Processing—2 credits** Either semester
An introduction to basic methods, techniques, and systems of punched card and electronic data processing, including a basic introduction to programming and the development of data processing functions as applied in present systems. (Night school only).
- 225 Introduction to Programming—2 credits** Either semester
A study of the general concepts, logic, and techniques of computer programming, including arrays, lists, searching, sorting, files, subroutines, strings, and input/output control systems. Prerequisite: DP 101. (Night school only).

*Flight lab fees in addition to other tuition and fees will be charged.

Upper Division

- 311 Introduction to Data Processing—3 credits** Either semester
A general interest course to acquaint students with the fundamentals and principles upon which data processing is based. The logic and reasoning processes utilized in data processing are also explored. Special industry reports and computer programs will be prepared by all students. Intended for upper division business administration students.
- 320 Programming Techniques—3 credits** First semester
A survey of programming systems used in computer processing and an introduction to the latest computer systems. General concepts, logic, and techniques of computer programming including flow charting, coding, input, processing, and output. Major areas of concern include computer operating systems, file maintenance methods, sequential access methods, direct access methods, and systems design and analysis. Prerequisite: DP 311.
- 340 Programming Systems—FORTRAN—3 credits** Second semester
FORTRAN IV programming language that gives the student the capability of writing highly sophisticated programs pertaining to business data processing problems. Specific areas covered include input-output descriptions, arithmetic functions, sub-programming, and array manipulation. Prerequisite: GB 305 and DP 311.
- 360 Programming Systems—COBOL—3 credits** First semester
COBOL programming language that gives the student the capability of writing highly sophisticated programs pertaining to business data processing problems. Specific areas covered include the identification division, the environment division, the data division, the procedure division, sequential file handling, direct access file handling, and standard documentation procedures. Prerequisite: GB 340.
- 405 Data Processing Applications—3 credits** Second semester
An in-depth study of current business computer applications, information retrieval, the function of data processing in the business organization, feasibility study concepts, and data base considerations. Students apply FORTRAN and COBOL language knowledge to current business data processing problems. Prerequisite: GB 360.

EC ECONOMICS

Lower Division

- 201-202 Principles of Economics—3 credits** Each semester
Macroeconomics: Contemporary economic problems; money and banking growth; monetary and fiscal policies for full employment; business cycles; determination of national income, saving and investment. Microeconomic analysis; basic assumptions, vocabulary, and structure of the economy; business organization and operation, factors of production, specialization; nature of supply and demand, the price system; distribution of income—wages, interest, rent, and profits.

Upper Division

- 301 Money and Banking—3 credits** Second semester
The role of money, credit, and banking in the U.S. economy. It emphasizes monetary theory as an analytical and policy tool for the exploration and solution of national economic problems. Prerequisite: EC-201.
- 303 Price Theory—3 credits** First semester
An analysis of the price mechanism and the determination of resource allocation, output composition, income distribution, and welfare economics in a market economy. Prerequisite: EC-202.
- 305 Income and Employment—3 credits** Second semester
Techniques and problems of measuring and evaluating overall economic activity. Emphasis on government spending and taxing policy as a means of altering and improving national economic performance. Prerequisite: EC-201.
- 311 History of Economic Thought—3 credits** First semester
Study of the origin and development of economic theories that have influenced western civilization. Particular attention will be given to the period since 1750. Prerequisite: EC 201-202.

- 315 Comparative Economic Systems—3 credits** Second semester
A study of the economic efficiency of political systems and a comparison with the goals and efficiency of the free enterprise capitalistic system. Prerequisite: EC 201-202.
- 405 Business Cycles & Forecasting—3 credits** First semester
Business cycles, their history, nature and causes. Forecasting and control of the business cycle. Instability in aggregate economic activity, and the rate of growth of the economy. Prerequisite: EC 305.
- 421-422 Econometrics—3 credits** Each semester
Study and application of the principal mathematical equations used in economics. Designed to acquaint the student with a mathematical approach to economic theory. Prerequisite: Math 106 or equivalent and permission of the instructor.

FI FINANCE**Lower Division**

- 107 Personal Finance—3 credits** Either semester
Aid in meeting the growing complexity of finance as the consumer encounters it: How to avoid financial entanglements, installment buying, borrowing money, owning or renting a home, investing and speculating in securities, everyday legal problems dealing with illness, death, personal taxes, family budgets, check writing, and financial planning.
- 109 Stocks and Bonds—2 credits** Either semester
Elementary security analysis; sources of investment information; objectives of an investment program; history of the New York Stock Exchange; characteristics of various types of bonds and stocks; economic, industrial, and company factors influencing an investment program; brokerage office and floor procedures; economic factors relating to the 1960's roll of venture capital in our economic system; procedures used in incorporating and underwriting; study of balance sheets and income statements.

Upper Division

- 301 Corporate Finance—3 credits** Either semester
A study of American corporations, their methods of capitalization, control, consolidation, and growth. An analysis of the decision making process with regards to capital budgeting, cost of capital, leasing vs. ownership, dividend policy, liquidity vs. profitability, and the tax consequences of these decisions. Prerequisites: GB-101 and AC-102.
- 350 Investment Management—3 credits** Second semester
An analysis of the setting for investments, analysis of risk and return, aggressive vs. defensive policies, programmed investment strategies, and the philosophies of portfolio management from the standpoint of banks, insurance companies, pension funds, and other financial institutions. Prerequisite: AC-102. Recommended: FI-301.
- 425 Financial Management—3 credits** First semester
Exploration of the social and economic implications of the financial process. Analysis of specific management policies as they relate to financial decision. Diversified readings, case work, and a financial management computer game are utilized. Prerequisite: FI 301.

GB GENERAL BUSINESS**Lower Division**

- 101 Introduction to Business—3 credits** Either semester
A survey course designed to acquaint the student with the many phases of business. Serves as an introduction to the specialized fields of business organization, accounting, insurance, marketing, banking, transportation, and industrial relations. Special emphasis is placed on business vocabulary.
- 201 Fundamentals of Real Estate—3 credits** Either semester
Essentials of real estate practice; listings, sales, financing, land descriptions, real estate investments, brokerage, advertising, market analysis and fundamentals arising from real estate transactions.

Upper Division

301-302 Business Law—3 credits Each semester

First semester—Nature and classification of the law, history of jurisprudence, real and personal property, and torts, contracts and agency.

Second semester—Sales, security transactions and commercial paper, business organization including partnerships, corporations, trusts, and estates.

305 Business Statistics—3 credits Either semester

Collecting and tabulating data; statistical tables and charts; ratios, percentages, and relatives; averages; dispersion; probability and normal distribution; sampling; analysis of business change; correlation and analysis of relationship; and related topics. Prerequisite: Mathematics 106 or equivalent.

320 Principles of Insurance—3 credits Second semester

A balanced presentation of the principles of insurance and policy analysis together with a discussion of the fundamental legal principles involved in insurance contracts. Company practices in relation to insurance management are stressed as is the field of regulation on both the theoretical and practical applications.

325 Principles of Transportation—3 credits Second semester

Economics of transportation services and rates. History and pattern of regulations. Explanations of various forms in common use in freight and passenger transportation and an introduction to governmental controls and service and management problems of industrial traffic managers.

331 Appraisal of Real Estate—3 credits First semester

The nature, purpose, and functions of appraising, appraising as a profession, the nature of real property and value, the appraisal process and economic trends. The techniques involved in determining the value of real estate. Prerequisite: GB 201.

332 Real Estate Finance—3 credits Second semester

An examination of the intricacies of the real estate mortgage markets, the source of mortgage funds, instruments of mortgage debt, the federal government and mortgage markets, the lending decision, management of portfolio risk, and financing of specific types of real property. Prerequisite: GB 201.

340 Labor Relations—3 credits First semester

A comprehensive study of the negotiation and administration of today's labor-management issues. Presents the historical, structural, and legal environment and examines the contents of labor contracts. Emphasis is placed on the basic phases of labor relations and how they affect American business.

366 Quantitative Analysis for Business Decisions—3 credits Second semester

Quantitative techniques including "normal distribution" and other related probability distributions as applied to sampling theory and quality control. Also includes discussions of payoff tables, expected values, bidding models, queuing theory and linear programming. Examination of PERT and CPM as well as simulation, regression analysis and inventory models. Prerequisite: GB 305.

441 Government and Business—3 credits Second semester

A study of the extent of government involvement in business at both the national and state levels. Includes study of anti-trust, food and drug, labor, civil rights, and other legislation and administration. A survey of governmental powers pertaining to the involvement of government in business affairs is also included.

450 Business Policies—3 credits Either semester

The utilization of complex situational cases, role playing, in-depth research, and a business simulation exercise to achieve integration of specialized functional knowledge.

496 Independent Study—1-4 credits Either semester

A course for mature students who are ready to undertake individual investigations. One to four credits per semester with a maximum of 9 credits to count towards the degree, 6 credits in any one academic year. Restrictions: Permission of the instructor, Department Chairman and Dean of the School in writing; Cumulative GPA of 2.75; senior standing (96 credits); registration only at regularly scheduled time. Students must make application well in advance of enrollment.

- 498 Seminar in Business Administration—2 credits Either semester
Current problems and trends in the business community. Analysis of change affecting the current business structure. Emphasis on student research and reports. Prerequisite: Senior standing.

PA PUBLIC ADMINISTRATION

Upper Division

- 301 Introduction to Public Administration—3 credits First semester
Theory, administrative organization, functions, and problems of public governmental units. Prerequisite: PO-101.
- 310 Public Finance—3 credits Second semester
Fiscal aspects of planning and control of governmental units. Principles of taxation and other revenues, government indebtedness, and policy making. Prerequisite: EC 201 and EC 202.
- 320 Public Personnel Administration—3 credits Second semester
Civil service system analysis and techniques involved in the selection and management of public employees. Prerequisite: MG-301.
- 401 Constitutional Law—3 credits First semester
Case study of the American constitutional system and its concepts as revealed in judicial decisions. Prerequisite: PO-101.
- 410 Administrative Law—3 credits Second semester
Powers, procedures, and controls of administrative units. The balance of private rights and public interest. Elements of the administration of governmental enterprises. Prerequisite: PO-101.

MG MANAGEMENT

Upper Division

- 301 Principles of Management—3 credits Either semester
Basic functions and principles of management with emphasis on relationships between workers and management; the planning, organizing, and controlling of personnel; decision making procedures and techniques.
- 305 Personnel Management—3 credits Second semester
Principles of organizing, directing, motivating and coordinating the work force of a business organization.
- 401 Human Relations—3 credits Either semester
Relationships among managerial, supervisory, and other workers. Approaches useful in solving human relations problems in business. Case studies of business problems.

MK MARKETING

Lower Division

- 205 Principles of Salesmanship—3 credits First semester
A comprehensive presentation of the principles of modern selling, prefaced by a brief history of salesmanship and a justification of its position of importance in present-day distribution. The psychological aspects of selling are fully treated. Selling presented as both an art and a science. Time is devoted in class to actual selling of various articles by the students, a practical application of the principles taught.
- 207 Principles of Advertising—3 credits Second semester
History, objectives and policies of advertising; a study of media, regulation of advertising; coordination of advertising with other merchandising factors. Preparation of copy, illustrations and layout of advertising. Guest lectures are utilized to give the student a comprehensive picture of the advertising field.

Upper Division

- 301 Principles of Marketing—3 credits Either semester
Description and analysis of the marketing processes. Methods, policies, and problems involved in the distribution process with an evaluation of marketing institutions and middle men according to the functions they perform. A survey of industrial and consumer markets and their relationship to both production and distribution.

305 Advertising Management—3 credits First semester
Management approach to advertising and its relationship to other dimensions of marketing strategy. Emphasis on managerial implications of decision making in advertising themes, media selection, campaigns, budgetary considerations, measuring effectiveness, and integration with other parts of the marketing task. Pre-or co-requisite: MK-301.

315 Market Research—3 credits Second semester
Consideration of the theory and use of research for particular marketing problems; methodology of planning and conducting research studies in various marketing situations; selected applications of marketing research. Prerequisite: MK-301.

405 Marketing Management—3 credits First semester
Management techniques in the solution of problems of systems of distribution, administration of marketing channels, advertising in the firm's total marketing effort, administration of customer service policies, design of a physical distribution system, and composition of a marketing mix. Pre-requisite: MK-301.

421 Sales Administration—3 credits Second semester
Management and administration of a sales organization, including recruiting, hiring, training, and supervising; establishment of territories; use of analytical tools as means of improving the effectiveness of salesmen. Prerequisite: MK-301.

425 Marketing Strategy—3 credits Second semester
The case study approach as applied to marketing problems. Emphasis is placed on problem definition, recognition of alternative solutions, and defense of a "best" solution. Prerequisites: MK-301 and MK-405.

MM MARKETING, MID-MANAGEMENT

Lower Division

100 Mid-Management Work Experience—2 credits Each semester
Open to students enrolled in the Mid-Management program only. The student may earn 2 semester hours' credit for a maximum of four semesters or a total of 8 semester hours' credit. This provides actual experience in the retail, wholesale, or service business field as a paid employee. The student, the employer, and the program coordinator develop an individual program for each student. The student is evaluated by both the employer and the program coordinator.

101 Retail Selling—3 credits Either semester
A basic course in personal selling techniques as applied in working situations in the modern retail store; analysis of customer's behavior, personality, and motivation. Methods of creating customer attention, interest, desire, and action.

102 Merchandise Analysis—3 credits Second semester
A study dealing with what the product is and what the product does for the customer. Provides methods and practice in obtaining product information used by buyers, sales people, and advertising personnel. Major classes of textiles and non-textiles are surveyed.

105 Elements of Management—3 credits First semester
A study of the functions of business management: planning, organizing, staffing, directing and controlling. Special consideration is given to the concept of organizational authority and responsibility.

201 Introduction to Marketing—3 credits First semester
The study of activities by which goods and services flow from the producer to the ultimate consumer. This study includes methods, policies, and evaluation of the various marketing institutions according to the functions performed.

202 Principles of Retailing—3 credits Second semester
Comparison of small-and-large-scale retailers. Problems of store ownership, organization, location, equipment, merchandising, planning and control. Expense and cost reduction and sales promotion are considered.

- 205 Business Psychology—3 credits** Second semester
The study of the application of psychological principles to business. The dynamics of behavior, public opinion research, persuasion, aptitudes, abilities, skills, and their relationship to the working environment.
- 206 Supervision of Personnel—3 credits** Second semester
Economics of supervision, social and philosophical implications, training functions of the supervisor. Individual and organizational needs in regard to human relations are major points of study.
- 209 Report Writing—3 credits** First semester
Prepares the student to write reports for business situations. Emphasis is placed on the actual preparation of reports, research methods, and the readability of the finished product.
- 213 Credit and Collections—2 credits** Second semester
A survey of the credit field including history, types, credit information, and the function of the credit department. Collection methods and procedures are given significant treatment.
- 215 Retail Buying—3 credits** First semester
Considers the buyer's duties, techniques, and procedures of purchasing for resale, pricing of goods, and the interpreting of consumer demand.

OA OFFICE ADMINISTRATION

Lower Division

- 101 Beginning Shorthand—4 credits** First semester
A beginning course in Gregg shorthand. Emphasis is placed on theory, writing skill, vocabulary development. Credit will not be given to students who have completed one or more years of shorthand in high school. Recommended credit or current enrollment in OA-118. Prerequisite: demonstrated proficiency in typing or current enrollment in typing.
- 105 Beginning Typing—2 credits** First semester
Theory and keyboard operations on the typewriter; for personal or business use. Credit will not be given to students who have completed one or more years of typing in high school.
- 107 Intermediate Typing—2 credits** Either semester
Review of typing fundamentals for the development of speed and accuracy. Credit will not be given to students who have completed two years of high school typing.
- 115 Business Mathematics/Machines—4 credits** Either semester
Fundamental operations of arithmetic in concrete relation to business usage. Decimals, fractions, percentages, interest, discounts, markup, installment buying, depreciation, and graphs are considered, as well as some interpretation of financial papers. The student receives instruction on the ten-key printing calculator, the rotary calculator, and the electronic calculator.
- 118 Business English—3 credits** Either semester
Emphasis on building a foundation in grammar, punctuation, vocabulary, and spelling through continued practical application. Effectiveness and correctness of expression will be demonstrated in written assignments which will include summaries of articles and business letters. Prerequisite: Passing score on English Placement Test.
- 121 Intermediate Shorthand—4 credits** Either semester
Review of shorthand theory with much work in dictation and transcription to improve speed and accuracy. Credit will not be given to students who have completed two years of high school shorthand. Prerequisite: OA-101 or advanced placement from high school work.
- 201 Advanced Shorthand—4 credits** Either semester
Emphasis on the building of a broad shorthand vocabulary and the development of high speed in dictation with rapid transcription. Prerequisite: OA-121 or advanced placement from high school work.

209 Advanced Typing—2 credits

Either semester

Continued study of typewriting procedures to develop speed and accuracy in office applications. Prerequisite: OA 107 or advanced placement from high school work.

211 Production Typing—2 credits

Second semester

Advanced work in the use of business forms, letters, legal documents, and tabulation on the typewriter. Prerequisite: OA-209.

221 Secretarial Transcription—4 credits

Second semester

Advanced instruction in office transcription. Opportunities for special transcription practice of a medical or legal nature will be provided. Prerequisite: OA-201.

240 Secretarial Writing—2 credits

Second semester

An intensive course for secretarial students in letter writing, preparation of summaries and publicity releases. Punctuation and correct usage will be reviewed as needed. Prerequisite: OA 118.

Upper Division**307 Office Procedures and Equipment—4 credits**

First semester

A study of common office activities including records management and the use of transcribing machines, duplicating machines, and various other business machines and appliances.

308 Secretarial Procedures—4 credits

Second semester

Instruction in the duties and responsibilities of the executive secretary utilizing the case study and project approach. The course will emphasize the student's ability to evaluate a job situation, make decisions, and carry them out. Typing and shorthand skills are required.

315 Medical Office Procedures—3 credits

Second semester

A study of medical receptionist duties, special records, and filing systems, legal aspects of medical work, management of the medical office, and responsibilities of the medical assistant. Credit will not be given to students who have completed OA 308.

317 Office Management—3 credits

Second semester

A study of organization and management of an office, including personnel problems, records, ratings, the allocations of functions and responsibilities, and office supervision.

328 Business Communication—3 credits

Either semester

Effective communication of written and oral ideas is stressed. Special emphasis is placed on psychology of letter writing as a management tool and on report writing and methods of interpreting reports. The course includes an introduction to office dictation. Typing ability is required.

CR CRIMINOLOGY**Lower Division****201 Law Enforcement in Modern Society—3 credits**

Second semester

A study of philosophy, history, objectives, and the functions of law enforcement as an institution; institutional relationship to society; general overview of the administration of justice.

215 Patrol and Communications—3 credits

First semester

A lecture course dealing with the patrol function as the fundamental police operation; including organization, administration, and distribution. Communications is viewed as the nervous system of the organization. Prerequisite: CR-201.

223 Crime Records—3 credits

First semester

Planned to provide an understanding of a system of recording criminal activities designed to facilitate administration of criminology and to fulfill the needs of law and society. Prerequisite: CR-201.

- 231 Criminal Investigation—3 credits** Second semester
Designed to acquaint the student with investigation as it involves the application of the investigative process in criminology, discovery and preservation of evidence, investigative report organization and content of investigative reports, and evidentiary proof of the elements of crime. Prerequisite: CR-201.
- 251 Traffic Control and Regulation—3 credits** Second semester
Details of control as it is accomplished via traffic enforcement, engineering, education, and vehicle traffic law. Prerequisite: CR-201.
- 275 Law of Criminal Evidence—3 credits** First semester
Presentation of the laws and rules of evidence, burden of proof, exclusionary rule, presumption, opinion evidence, and leading court cases involving the presentation and acceptability of evidence. Witness examination procedures and related legal problems are presented. Prerequisite: CR 201.

Upper Division

- 301 Administration of Justice—3 credits** First semester
A study of the administration of justice affected by jurisprudence, Rules of Criminal Procedure, and Law of Evidence.
- 321 Criminal Law—3 credits** Second semester
An analysis of the Law of Arrest, Search, and Seizure, and criminal law that effects the enforcement of the tolerance limits of society.
- *340 Principles of Interviewing—3 credits** First semester
Familiarization with the elements of the interviewing process for criminology personnel. Included are both the counseling and interrogative aspects with a view to promoting effective and productive relationships within any interviewing situation. Prerequisite: P-101.
- 351 Police Organization and Management—3 credits** First semester
The principles of organization and management that are applied to law enforcement administration. Prerequisite: CR-201.
- *380 Introduction to Criminalistics—3 credits** Second semester
Introduction to theory and application of physical science to the field and laboratory investigation of crime. Applicable to both advanced field investigations and laboratory techniques. Prerequisite: CR-201. (Alternate years).
- 420 Private and Industrial Security—3 credits** First semester
Philosophy and techniques of operation in the areas of security organization and management, investigations, physical plant and personnel security, and legal and jurisdictional limitations.
- *435 Vice and Organized Crime—3 credits** Second semester
The history, cause, nature, and control of vice and organized crime are studied. Prerequisite: CR-201.
- *451 Comparative Law Enforcement Administration—3 credits** Second semester
An analysis and comparison of law enforcement systems at the Federal, State, and local levels, and International systems. Prerequisite: CR-201. (Alternate years).

*Limited to Criminology majors.



PART V

School of Education

DEAN: GERALD R. WALLACE, Ed.D.

DEPARTMENTS AND FACULTY

ADMISSION

ELEMENTARY EDUCATION

SECONDARY EDUCATION

CERTIFICATION REQUIREMENTS

SECONDARY STUDENT TEACHING

PLACEMENT

CENTER FOR COUNSELING, GUIDANCE AND TESTING

READING EDUCATION CENTER

LIBRARY SCIENCE TEACHING MINOR

PHYSICAL EDUCATION

PSYCHOLOGY

COURSE OFFERINGS

School of Education

DEAN: Gerald R. Wallace, Ed.D.

Departments and Faculty

CENTER FOR COUNSELING, GUIDANCE, AND TESTING

Dr. D. Torbet, Director

Professor: D. Torbet

Counselors: A. DeLaurier

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION AND RECREATION

Dr. G. Cooper, Chairman

Professors: G. Cooper, L. Smith

Associate Professor: B. Bowman

Assistant Professors: J. Atkins, J. Boyles, D. Connor, R. Lewis

Instructors: P. Bowman, W. Jones, M. Satterfield

Coaching Staff: A. Knap, B. Bowman, D. Connor, W. Jones,
R. Lewis, D. Nickel, A. Polychronis, M. Satterfield,
L. Smith, G. Squires, J. Wagstaff

Director of Athletics: L. Smith

DEPARTMENT OF PSYCHOLOGY: Dr. J. Phillips, Chairman

Professors: J. Phillips, D. Smith, D. Torbet

Associate Professor: W. Sickles

Assistant Professors: W. Barsness, D. Heacock, W. Larson

DEPARTMENT OF TEACHER EDUCATION AND LIBRARY SCIENCE:

Professors: J. Barnes, R. Bullington, A. Chatburn, W. Hendry,
M. Jackson, G. Wallace

Associate Professors: W. Kirtland, A. McDonald, V. Young
(Director of Secondary Education)

Assistant Professors: P. Bieter, C. Burtch (Director of Elementary
Education), M. Fairchild, K. Lyle Hill, J. Jensen

Educational Media Services: A. Barnes (Librarian), P. Orlovich

READING EDUCATION CENTER: W. Kirtland, Director

School of Education

The School of Education offers majors in Elementary Education; Physical Education for Men, Secondary Education Option; Physical Education for Women, Secondary Education Option; and Psychology, Liberal Arts Option. It offers course work of both professional and academic nature to students in these and in other major curricula throughout the College. The academic course work is designed to develop ability in and appreciation of scientific thinking about behavior. Professional training is directed primarily toward the mastery of skills that are needed by teachers in the elementary and secondary schools.

TEACHER EDUCATION

In addition to its course offerings, and closely related to its professional training programs, is the integrative and supervisory function of the Department of Teacher Education in the total preparation of elementary and secondary school teachers and librarians. The following paragraphs explicate that function, and every prospective teacher should read them carefully:

The Department of Teacher Education is responsible for planning and conducting the Teacher Education Program, which includes the preparation of school librarians as well as of elementary and secondary teachers. The programs are outlined in accordance with the aims and general graduation requirements of Boise State College and the certification requirements of the Idaho State Board of Education. The Department of Teacher Education has an institution-wide commitment to the preparation of teachers, a commitment that is implemented in close cooperation with the subject-matter departments.

As a foundation for high-quality professional work, prospective teachers are provided with a well-rounded general education in the humanities and in the social and natural sciences. Each student also receives special preparation for the particular kind of educational work he plans to do.

Admission to School of Education

1. Students preparing to teach must apply for admission to the School of Education during the sophomore year. This application will be secured and processed as a part of the TE 201, Foundations of Education course (required for certification).
Transfers who have completed an equivalent course in Foundations at another institution will secure the application for admission from the Dean's office. The form is entitled, "Admission to the School of Education."
2. General requirements for admission to the School of Education for elementary or secondary candidates shall be determined and implemented by the Department of Teacher Education. These requirements shall include:
 - A. Filing of the "Admission to the School of Education" application.
 - B. A minimum grade of "C" in TE-201 or its equivalent.
 - C. A satisfactory test score in a prepared "English Qualification Examination." This examination will be prepared and administered by the Department of Teacher Education. The test will be a part of the course work of TE-201, Foundations of Education, given in the sophomore year. Students who fail this entrance examination will be required to make at least a "C" grade in English, in a course to be assigned by the Department of Teacher Education and to satisfactorily pass a second qualifying examination. Transfer students who have already taken the Foundations course at another institution will take the qualifying examination and will be subject to the above regulations.
 - D. "Pass" by the Foundations of Education instructor in oral communication.
 - E. Approval by the Student Personnel Services.

Admission to Student Teaching

1. An application for a specific student-teaching assignment must be filed with the Department of Teacher Education by **February 15 of the junior year**. Application forms may be secured from the Director of Elementary Education or the Director of Secondary Education.
2. General requirements for admission to student teaching for elementary or secondary candidates include:
 - A. A grade point average of 2.25 in the major and minor teaching fields and in the education courses completed.
A minimum 2.0 G.P.A. must be maintained in the remaining courses.
 - B. Recommendation by the major faculty advisor. The approving faculty signature must be secured by the candidate on the application for admission to student teaching.
 - C. Senior status.
3. Specific requirements—Elementary
A minimum of "C" in each of the following courses:
 1. English composition
 2. General Psychology, P-101
 3. Educational Psychology, P-325
 4. Foundations of Education, TE-201
 5. Science sequence (two semester course in the same subject)
4. Specific requirements—Secondary
A minimum of "C" in each of the following courses:
 1. English composition
 2. General Psychology, P-101
 3. Educational Psychology, P-325, or
Adolescent Psychology, P-312
 4. Foundations of Education, TE-201
 5. Secondary School Methods, TE-381

Approximately 30 semester credits in the major teaching field, 20 semester credits in the minor field.
5. Student teachers are expected to do responsible teaching, participate in co-curricular activities, maintain close contact with faculty and students in the public schools, and participate in seminars and conferences with their college supervisors.
6. Students who transfer to Boise State College must complete at least 6-9 semester hours in Education at the institution before being placed in student teaching.

ELEMENTARY EDUCATION

Students preparing to teach in the elementary grades will major in Elementary Education and complete a program of studies approved by the Chairman of the Department of Teacher Education and consisting of general and professional education courses.

Requirements for the Bachelor of Arts in Elementary Education:

1. General College graduation requirements to include:

English Composition 101 and 102	6
Mathematics for Elementary Teachers	6
Laboratory Science to include both Biological and Physical Science	12
History of Western Civilization	6
U.S. History	6
Federal Government	3
General Psychology	3
Child Psychology	3
Geography	3
Social Science chosen from: Economics, Sociology, or Anthropology	3
Humanities or Introduction to Art, or Music or Drama	6
Music Fundamentals	2

Literature	6
Physical Education Activities	2
2. Professional education requirements:	
Elementary School Physical Education Methods	2
Public School Music	2
Elementary School Art Methods	3
Children's Literature	3
Audio Visual Aids	2
Educational Psychology	3
Elementary Curriculum and Methods I and II	6
Elementary Student Teaching	6-9
Foundations of Education	3
Speech for Teachers	3

ELEMENTARY EDUCATION

Bachelor of Arts Program

(Suggested Program)

	First Semester	Second Semester
Freshman Year:		
English Composition	3	3
Laboratory Science (Biological or Physical Science)	4	4
History of Western Civilization	3	3
General Psychology	3	—
Physical Education Activities	1	1
Electives	2	4
	16	15
Sophomore Year:		
Introduction to Humanities or (two of the following: Introduction to Music, Introduction to Art, Introduction to Drama)	3	3
Second Laboratory Science	4	—
Fundamentals of Math for Elementary Teachers	3	3
Survey of American Literature	3	—
U.S. History	3	3
Geography	—	3
Foundations of Education	—	3
Electives	—	2
	16	17
Junior Year:		
Literature	—	3
Federal Government	3	—
Child Psychology	3	—
Educational Psychology	—	3
Elementary School Physical Education	2	—
Speech for Teachers	—	3
Social Science Elective (Economics, Sociology or Anthropology)	—	3
Music Fundamentals	2	—
Public School Music	—	2
Electives U. D.	6	2
	16	16
Senior Year:		
Speech Analysis and Improvement (Elective)	2	—
Children's Literature	3	—
Audio Visual Aids	2	—
Elementary School Art Methods	—	3
Elementary Curriculum & Methods	3	3
Elementary School Student Teaching	4	5
Electives U. D.	2	5
	16	16

Departure from this program must be approved by the Chairman of the Department of Teacher Education.

SECONDARY EDUCATION

The Department of Teacher Education serves as consultant in the establishment of "secondary education options" within each of several subject-matter areas. (See the **Secondary Certification Options** in the School of Business and Public Administration; the School of Arts and Sciences; and the Physical Education Department in the School of Education.) The Department of Teacher Education does not offer degrees "in secondary education."

Students preparing to teach in junior or senior high school should major in the subject-matter fields in which they plan to teach. Each student must complete the required professional education courses and the necessary subject matter major under the direction of an advisor in his major department.

Idaho offers two approaches to certification. One consists of the traditional teaching major and teaching minor, while the other consist of a composite teaching major. The following subjects are approved as teaching majors and must be accompanied by an approved teaching minor: Biology, Earth Science, Chemistry, History, Mathematics. The following fields are approved as composite majors and do not require a teaching minor: Art, Business, English, Music, Physical Education, Social Science, Speech-Drama. It is sometimes desirable from the point of view of employment for the student to have a minor for a second teaching field in addition to the composite major where possible. In any case, specific requirements for each major are summarized under the subject-matter heading.

CERTIFICATION REQUIREMENTS FOR SECONDARY EDUCATION

Idaho requires a total of twenty semester credit hours "in the philosophical, psychological, and methodological foundations of education, which must include not less than six semester credit hours of secondary student teaching."

These requirements are translated into the following required Boise State College courses:

TE-201 Foundations of Education	3 credits
P-312 Adolescent Psychology or	
P-325 Educational Psychology	3 credits
TE-381 Secondary School Methods	3 credits
TE-481 Secondary Student Teaching	6 credits
TOTAL.....	15 credits

In addition to these required courses, a student may choose from the following courses (if they are appropriate to his teaching field) to complete the required twenty semester credit hours. (A student may wish to take more than the minimum twenty credit hours.)

P-312 Adolescent Psychology	3 credits
P-325 Educational Psychology	3 credits
TE-356 Audio-Visual Aids in Education	2 credits
TE-371 Guidance for the Classroom Teacher	2 credits
AR-351 Secondary School Art Methods	3 credits
BE-401 Methods in Business Education	3 credits
BE-421 Business Curriculum and Problems	3 credits
E-318 Methods of Teaching Secondary School English	3 credits
M-490 Mathematics in Secondary Schools	3 credits
MU-259-260 String Instrumental Techniques and Methods	1 credit
MU-301 Percussion Techniques and Methods	1 credit
MU-359-360 Brass Instrument Techniques and Methods	1 credit
MU-363-364 Woodwind Instrumental Techniques	
and Methods	1 credit
MU-385-386 Choral Methods and Materials	1 credit
MU-371 Public School Music	2 credits
PE-461 Secondary School Health and Physical Education	2 credits
SP-311 Speech for Teachers	3 credits

Each certified secondary school teacher must have one of the following options:

- (1) A major teaching field of at least 30 semester credit hours, and a minor teaching field of at least 20 semester credit hours.
- (OR) (2) A single teaching field of at least 45 semester credit hours.

Following is a list of the teaching areas for which Idaho endorses certificates, regardless if the area is a major or a minor teaching field. Included in the teaching fields listed below is the specifically required minimum course content for each field. (Reproduced from the Idaho SDE pamphlet published May, 1969.)

English

Not less than six semester credit hours in composition and not less than six semester credit hours in American and English Literature. The remainder may be distributed in the related fields of speech, drama, and journalism.

Speech-Drama

Credits spread over both fields with not less than six semester credit hours in each. For separate endorsement in speech or drama, not less than fifteen semester credit hours in the field to be endorsed.

Journalism

Not less than fifteen semester credit hours in journalism and the remainder, if any, to be chosen from English.

Social Studies

Not less than six semester credit hours in American History and not less than three semester credit hours in American Government. In addition, work in two of the following fields to be represented: world history, geography, sociology and economics.

American Government

Not less than six semester credit hours in American Government, six semester credit hours in American History and three semester credit hours of comparative government.

American History

Not less than nine semester credit hours in American History and not less than three semester credit hours in American Government. The remaining work is to be in history and political science.

Biological Science

Credits distributed in the areas of botany and zoology, including at least six semester credit hours in each. Some work in physiology is recommended.

Physical Science

At least eight semester credit hours in chemistry and eight semester credit hours in physics.

General Science

Credits to include work in each of the following fields: physical, biological and earth science.

Mathematics

Credits to include work in algebra, geometry and trigonometry.

Physical Education

Credits distributed to include work in anatomy or physiology and health education.

Secretarial Science

Six semester credit hours in shorthand and at least one course in intermediate or advanced typewriting. The other credits are to be distributed in business courses which ensure knowledge of office machines, business and office practices and procedures.

Bookkeeping

Credits in business subjects, including at least one course in intermediate or advanced typewriting and not less than six semester credit hours of accounting with additional work in business law and business administration.

Business Education

Credits to include work in each of the following fields: typewriting, shorthand, accounting and office machines. Additional work may be selected from business law, business administration, retail merchandising, economics and office procedures.

Driver Education

An Idaho Driver Education teacher shall:

Have four semester credit hours which shall consist of not less than two semester credit hours in basic driver education for teachers and followed by not less than two semester hours in courses such as the following:

Advanced driver education, general safety education, traffic engineering, driving simulator education, and highway transportation.

Have three years of satisfactory driving experience immediately preceding the time of teaching, as evidenced by the State Department of Law Enforcement, Traffic Safety Division.

This change given above was effective for all teachers of driver education in the State of Idaho on September 1, 1968.

Music

Credits to include work in theory and harmony, applied music (voice, piano, organ, band and orchestra instruments), History and Appreciation, Conducting, and music methods and materials.

Arts and Crafts

Credits to include work in four of the following areas: woodworking, drafting, ceramics, leather work, plastic, the graphic arts and art metal.

SECONDARY STUDENT TEACHING**Secondary Education Student Teaching for 1970-71**

Student teaching will be given in 4 blocks of nine weeks each, all day. The first nine weeks will accommodate physical education majors, summer school candidates, transfers from other institutions and, if necessary, those who will graduate in December. The second nine weeks block will be reserved for history and social science majors, mathematics majors, and, if necessary, for students who will graduate in December. Business Education and English majors will student teach the third nine weeks block (first nine weeks of second semester); the fourth block of nine weeks will service all science, music, art, speech and drama, and foreign language majors for the student teaching assignment. Permission for any deviation to the above placement of major fields must be granted by the Dean of the School of Education.

Concentrated Course Blocks, 1970-71

The student will take a group of subjects (8-9 semester hours) during the balance of the semester, complementing the assigned student teaching block. Scheduling of the CCB will be done by the advisors in the major subject department as follows:

Scheduling by Departments**Art**

CCB No. 3

Student Teaching No. 4 (6 credits)

CCB Choices: (8-9 credits)

Audio-Visual Aids, TE-356 (2)

Educational Psychology, P-325 (3)

Secondary School Methods, TE-381 (3)

Business

CCB No. 4

Student Teaching No. 3 (6 credits)

CCB Choices: (8-9 credits)

Audio-Visual Aids, TE-356 (2)

Educational Psychology, P-325 (3)

Speech for Teachers, Sp-311 (3)

Business Curriculum & Problems, BE-421 (3)

Note: BE-401 Methods in Business Education (3) is to be taken the semester preceding student teaching.

English

- CCB No. 4
- Student Teaching No. 3 (6 credits)
- CCB Choices: (8-9 credits)
 - Audio-Visual Aids, TE-356 (2)
 - Educational Psychology, P-325 (3)
 - Speech for Teachers, Sp.-311 (3)
 - Secondary School Methods, TE-381 (3)

Note: E-318, Methods of Teaching Secondary School English (3) is to be taken the semester preceding student teaching.

Foreign Languages

- CCB No. 3
- Student Teaching No. 4 (6 credits)
- CCB Choices: (8 credits)
 - Audio-Visual Aids, TE-356 (2)
 - Educational Psychology, P-325 (3)
 - Secondary School Methods, TE-381 (3)

History

- CCB No. 1
- Student Teaching No. 2 (6 credits)
- CCB Choices: (8-9 credits)
 - Audio-Visual Aids, TE-356 (2)
 - Educational Psychology, P-325 (3)
 - Speech for Teachers, Sp.-311 (3)
 - Secondary School Methods, TE-381 (3)
 - History—The National Era, 1815-1848, HY-353 (3)

Mathematics

- CCB No. 1
- Student Teaching No. 2 (6 credits)
- CCB Choices: (8-9 credits)
 - Audio-Visual Aids, TE-356 (2)
 - Educational Psychology, P-325 (3)
 - Speech for Teachers, Sp.-311 (3)
 - Secondary School Methods, TE-381 (3)
 - Foundations of Geometry, M-311 (3)
 - Mathematics in Secondary Schools, M-490 (3)

Music

- CCB No. 4
- Student Teaching No. 3 (6 credits)
- CCB Choices: (8-9 credits)
 - Audio-Visual Aids, TE-356 (2)
 - Educational Psychology, P-325 (3)
 - Secondary School Methods, TE-381 (3)
 - (Music courses to be arranged)

Physical Education

- CCB No. 2
- Student Teaching No. 1 (6 credits)
- CCB Choices: (8-9 credits)
 - Audio-Visual Aids, TE-356 (2)
 - Educational Psychology, P-325 (3)
 - Gymnastics, Apparatus, Fitness Techniques, PE-336 (2)
 - Tests and Measurements, PE-455 (2)
 - Secondary School Health and P.E., PE-461 (2)

Note: Secondary School Methods, TE-381 (3) is to be taken the semester preceding student teaching.

Sciences

- CCB No. 3
- Student Teaching No. 4 (6 credits)
- CCB Choices: (8 credits)
 - Audio-Visual Aids, TE-356 (2)
 - Educational Psychology, P-325 (3)
 - Secondary School Methods, TE-381 (3)

Social Science

CCB No. 1

Student Teaching No. 2 (6 credits)

CCB Choices: (8-9 credits)

Audio-Visual Aids, TE-356 (2)

Educational Psychology, P-325 (3)

Speech for Teachers, SP-311 (3)

Secondary School Methods, TE-381 (3)

History—The National Era, 1815-1848, HY-353 (3)

Speech

CCB No. 3

Student Teaching No. 4 (6 credits)

CCB Choices: (8 credits)

Audio-Visual Aids, TE-356 (2)

Educational Psychology, P-325 (3)

Secondary School Methods, TE-381 (3)

Note: Transfers from other institutions to Boise State College will need to be integrated as possible into a schedule. Ordinarily, they should be assigned to Students Teaching No. 1 and CCB No. 2.

Placement

A Teacher Placement Service is maintained by the College Placement office, which is administered by the Dean of Student Personnel Services.

Center for Counseling, Guidance, and Testing

The Center provides special services for students with problems in educational, vocational and personal areas. The Center is especially designed for students with specific reading problems. Other services include professional testing and counseling.

Reading Education Center

This Center provides special services for college and public school students with specific problems in reading.

Faculty members, public school teachers and parents may seek assistance from the Reading Education Center for students who need diagnosis followed by planned instruction for improvement.

MINOR OPTION

LIBRARY SCIENCE TEACING MINOR

In addition to general certification requirements, the training required for teacher librarians, at any grade level, shall be not less than 24 semester credit hours in the general field of educational media, 12 of which must be in the areas of material selection, organization and administration, cataloging and classification, and reference and bibliography. Students must be able to type.

Up to six semester credit hours in the subject areas listed below may be substituted for an equal number of hours in the field of educational media, for the purpose of meeting the requirements for the endorsement:

Philosophy of Education

Educational Administration

Curriculum Design or Development

Pedagogy or Methods of Instruction

Educational Psychology, or Theory of Learning

Child or Adolescent Psychology

Communications

Graphic Arts

A student wishing to become a professional librarian by continuing in a graduate school of librarianship should consult with the library staff, or

with the library science instructor, for guidance in planning his undergraduate program. These basic courses which follow, however, will give suitable academic training for librarians in small public libraries of the area, who are unable to afford graduate library schools:

Introduction to Use of Libraries	2			
*Library Organization and Administration	3	} 12	} 15	} 20-22
*Reference and Bibliography	3			
*Basic Book Selection	3			
*Cataloging and Classification	3			
**Children's Literature	3			
Audio Visual Aids in Education	2			
Literature for the Adolescent	3			

*Basic requirements.

**For all elementary education majors.

PHYSICAL EDUCATION

The School of Education, through its Department of Health, Physical Education and Recreation, offers a major and a minor in physical education with specialization in secondary school physical education.

The Physical Education Department, in cooperation with the School of Education, offers courses in physical education, health education, recreation, and athletic coaching. Students who complete a four-year teacher-training program are eligible to receive the Standard Secondary School Certificate issued by the State of Idaho.

The Physical Education curriculum, Secondary Education Option, leading to a Bachelor of Science Degree, is designed to familiarize the student with all aspects of physical education. The 128 semester hours required for the Bachelor of Science Degree include the College graduation requirements, professional courses in Physical Education and the requirements for Idaho teachers certificate.

Required Physical Education: All students except veterans, married women 21 years of age or older and men 35 years of age or older are required to have two semester credits of physical education. The two semester credits shall be selected from the program of activity courses (one credit courses). The Physical Education requirement must be completed during the first two semesters of residence unless special arrangements are made through the chairman of the Department of Health, Physical Education and Recreation. Varsity competition courses will fulfill the Physical Education requirements providing the participant completes the sport. **No course may be repeated for credit.**

Elective Physical Education: The Physical Education Department encourages participation in the elective program of activities. The program is designed to develop skills and interests in activities that will provide for the recreation and fitness needs of students. **A maximum of six semesters of elective activities for credit will be allowed and may be counted towards graduation. No course may be repeated for credit.** Elective activities are: Beginning Swimming, Self-Defense, Judo, Badminton, Volleyball, Basketball, Tennis, Field Hockey, Softball, Soccer, Rugby, Archery, Golf, Fencing, Beginning Gymnastics, Track and Field, Handball, Recreational Dance, Activities for Fitness, Weight Training, Drill Team, Bowling, Skiing, Advanced Swimming, Senior Life Saving, Water Safety Instruction, Advanced Gymnastics, Advanced Self-Defense, and Advanced Judo.

The Gymnasium and all of its facilities are available for student and faculty use. Intramural activities are conducted throughout the year and the Physical Education Major's Club offers opportunities in a wide variety of activities.

REQUIREMENTS FOR PHYS. ED. MAJOR**Bachelor of Science Degree****I. Secondary Education Option****A. Program for Men.**

1. General College and Degree Requirements to include:

General Biology	8
Human Anatomy and Physiology	4
*Kinesiology	3
*Physiology of Exercise	3
General Psychology	3
Sociology (elective)	3
2. Physical Education Requirements *33 credits

Introduction to Physical Education	2
First Aid	2
Personal and Public Health	2
Elementary School Physical Education or Correctives	2
Team Sports Techniques	2
Individual and Dual Sports Techniques	2
Gymnastics, Apparatus, and Fitness Techniques	2
Organization and Administration of P.E.	3
Tests and Measurements	2
Secondary School Health and Physical Education	2
Physical Education Activities (elective)	6
(Includes Gymnastics and courses selected from the elective activities program)	
3. Physical Education Electives 6 credits

(The following courses are especially recommended)

Introduction to Recreation	2
Elementary School Health	2
High Organized Games	2
Treatment and Care of Athletic Injuries	2
4. A minimum of 15 credits in electives outside the major field 15 credits
5. Education requirements for State Certification for Secondary Education 20 credits

B. Program for Women

1. General College and degree requirements to include:

General Biology	8
Human Physiology and Anatomy	4
*Kinesiology	3
*Physiology of Exercise	3
General Psychology	3
Sociology (elective)	3
2. Physical Education Requirements *35 credits

Introduction to Physical Education	2
First Aid	2
Personal and Public Health	2
Elementary Physical Education	2
Team Sport Techniques	2
Individual and Dual Sports Technique	2
Gymnastics, Apparatus, and Fitness Techniques	2

*The subjects (Kinesiology, Physiology of Exercise, and Required Physical Education) are included in the General College degree requirements and therefore are not listed in the Physical Education requirements.

Organization and Administration of P.E.	3	
Tests and Measurements	2	
Secondary School Health and Physical Education	2	
Dance Techniques	2	
Physical Education Electives	6	
(to include Gymnastics and 5 courses selected from the activity program)		
3. Physical Education electives	6	
(The following courses are especially recommended)		
Introduction to Recreation	2	
Elementary School Health	2	
Developmental and Adapted Physical Education	2	
High Organized Games	2	
Treatment and Care of Athletic Injuries	2	
4. A minimum of 15 credits in electives outside the major field		15 credits
5. Education Requirements for State Certification for Secondary Education		20 credits
 II. Physical Education Minor		
A. Program for Men		
1. Under program I-A above.		
a. Physical Education courses required		25 credits
Introduction to Physical Education	2	
First Aid	2	
Team Sports Techniques	2	
Individual and Dual Sports Techniques	2	
Gymnastics, Apparatus, and Fitness Tech.	2	
Personal and Public Health	2	
Organization and Administration of P.E.	3	
Physical Education Activities electives	4	
(Includes Gymnastics, and three courses selected from: Swimming, Soccer, Tennis-Badminton, Body-Conditioning, Archery-Golf)		
2. Physical Education Electives	6	
B. Coaching (Men)		
1. Under program I-A above.		
a. Physical Education courses required		24 credits
Introduction to Physical Education	2	
First Aid	2	
Sport Officiating	4	
Coaching Methods	6	
Care and Treatment of Athletic Injuries	2	
2. Physical Education electives	8	
C. Program for Women		
1. Under program I-B above.		
a. Physical Education courses required		25 credits
Introduction to Physical Education	2	
First Aid	2	
Team Sports Techniques	2	
Individual and Dual Sports Techniques	2	
Gymnastics, Apparatus, and Fitness Tech.	2	
Personal and Public Health	2	
Organization and Administration of P.E.	3	
Physical Education electives	4	
(Gymnastics, 3 courses selected from Swimming, Folk and Square Dance, Tennis-Badminton, Field Hockey - Trimmastics, Basketball - Volleyball, Archery - Golf)		
2. Physical Education electives	6	

PHYSICAL EDUCATION MAJOR**Bachelor of Science Degree**
(Suggested Program)

1. Secondary Education Option

A. Program for Men

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman year:			Junior year:		
English Composition	3	3	Kinesiology	3	—
General Biology	4	4	Physiology of Exercise	—	3
History	3	3	Education Electives	3	3
Introduction to Phys. Ed.	2	—	Physical Ed. Electives	4	4
Physical Ed. Activities (elective)	—	2	Secondary School Methods	—	3
First Aid	2	—	Adolescent or Educational Psychology	3	—
Basic Physical Education	1	1	Elementary School Physical Education	2	—
Area I Electives	—	3	Electives	2	4
	15	16		17	17
Sophomore year:			Senior year:		
Literature	3	3	Second Student Teaching	6	—
Anatomy and Physiology	—	4	Secondary School Health and P.E.	2	—
General Psychology	3	—	Tests and Measurements	2	—
Area II Electives	—	3	Team Sports Techniques	—	2
Personal & Public Health	2	—	Individual and Dual Sports Tech.	—	2
Area I Electives	3	—	Gymnastics, App. and Fitness Tech.	2	—
Foundations of Education	—	3	Organization and Administration of P.E.	—	3
Physical Education Activities (elective)	2	—	Electives	2	10
Area III Electives	4	4		14	17
	17	17			

PHYSICAL EDUCATION MAJOR**Bachelor of Science Degree**
(Suggested Program)

II. Secondary Education Option

A. Program for Women

	1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Freshman year:			Sophomore year:		
English Composition	3	3	Literature	3	3
General Biology	4	4	Anatomy and Physiology	—	4
History	3	3	General Psychology	3	—
Introduction to Physical Education	2	—	Area II Electives	—	3
Physical Education Activities (elective)	—	2	Personal & Public Health	2	—
First Aid	2	—	Area I Electives	3	—
Required Physical Ed.	1	1	Foundations of Education	—	3
Area I Electives	—	3	Physical Education Activities (elective)	2	—
	15	16	Area III electives	4	4
				17	17

Junior year:		1st Sem.	2nd Sem.	Senior year:		1st Sem.	2nd Sem.
Kinesiology	.....	3	—	Secondary Student Teach.	.....	6	—
Physiology of Exercise	.....	—	3	Secondary School	.....	—	—
Education Electives	.....	3	3	Health and P.E.	.....	2	—
Physical Education Elect.	.....	4	4	Tests and Measurements	.....	2	—
Secondary School Meth.	.....	—	3	Team Sports Techniques	.....	—	2
Adolescent or Educational	.....	—	—	Individual and Dual	.....	—	—
Psychology	.....	3	—	Sports Tech.	.....	—	2
Elementary School	.....	—	—	Gymnastics, App., and	.....	—	—
Physical Education	.....	2	—	Fitness Tech.	.....	2	—
Dance Techniques	.....	2	—	Organization and Admin-	.....	—	3
Electives	.....	—	4	istration of P.E.	.....	—	3
		17	17	Electives	.....	2	10
						14	17

PSYCHOLOGY

The School of Education, through its Department of Psychology, confers a baccalaureate degree in psychology. Because of the core requirements for all candidates, it is regarded as a degree in general psychology; but considerable latitude is allowed within the framework set by those requirements, as at least twelve hours of each student's course work in psychology are "elective."

The student should be aware, however, that even the elective courses function as parts of a total program designed to produce a graduate with a strong background in basic psychology, and under no circumstances should he regard successful completion of that program as a preparation to perform psychological services of any kind. Rather, he should think of it as (1) a demonstration of educational attainment, like any other successful academic experience, and (2) preparation for more specialized training in professional or academic psychology or in some related field.

Every psychology major, whether or not he is planning to enter graduate school, must sit for the Graduate Record Examinations at some time during his senior year.

REQUIREMENTS FOR PSYCHOLOGY MAJOR

Bachelor of Arts or Bachelor of Science

- I. Lower division (68-70 credits)
 - A. Psychology (see B. 2. below)
 - B. Other
 1. Area I 12 credits
 2. Area II 24 credits
 - History sequence 6
 - "Single Area II field other than History:" 6
 - General Psychology, 101-102 6
 - Third Area II field 3
 - Any Area II field 9
 3. Area III 24-26 credits
 - Fundamentals of Mathematics 105-106 8
 - Introduction to Physical Science, Introduction to Chemistry, or Gen. Chemistry 8-10
 - General Biology B-101-102 or Advanced General Biology B-203-204 8-10
 4. English Composition, 101-102 6 credits
 5. Basic Physical Education Activities 2 credits
- II. Upper Division (40 credits)
 - A. Psychology 25 credits
 1. Statistical Methods 3
 2. Experimental Psychology 4

3. Psychological Measurement	3	
4. Psychological Systems	3	
5. Psychology electives	12	
B. Upper Division Electives		15 credits

III. Free electives (18-20 credits)

NOTE: In both degree programs, "in addition to the [prescribed] degree requirements, a minimum of 15 credit hours is required . . . in electives outside of the major field." Because a psychology major takes 12 (at least) hours more than the minimal requirements in natural science, this means that 3 (at most) of his "free electives" must be outside of his major department.

Suggested Program*

	First Semester	Second Semester
Freshman Year:		
**English Composition	3	3
**Fundamental Concepts in Mathematics	4	4
**Principles of Physical Science, Intro. to Chemistry or General Chemistry	4 or 5	4 or 5
**History sequence	3	3
Physical Anthropology	3	—
Cultural Anthropology	—	3
	17 or 18	17 or 18

	First Semester	Second Semester
Sophomore Year:		
**General Psychology	3	3
**General Biology or Advanced General Biology	4 or 5	4 or 5
**Introduction to Humanities	3	3
**Literature	3	3
Introduction to Sociology	3	—
Social Problems	—	3
Physical Education	1	1
	17 or 18	17 or 18

	First Semester	Second Semester
Junior Year:		
**Statistical Methods	3	—
**Experimental Psychology	—	4
Federal Government	3	—
State and Local Government	—	3
Child Psychology	3	—
Adolescent Psychology	—	3
Abnormal Psychology	3	—
**Psychological Measurement	—	3
Free Electives	3	2

	15 First Semester	15 Second Semester
Senior Year:		
Physiological Psychology	3	—
Personality	—	3
Social Psychology	3	—
**Psychological Systems	—	3
Upper-division Electives	3	6
Free Electives	6	3
	15	15

*This program was designed as a model for a PROFESSIONAL ORIENTATION in psychology; however, it will serve an ACADEMIC ORIENTATION also if courses in LEARNING and PERCEPTION are added as electives or are substituted for two of the non-asterisked upper-division psychology courses listed here.

**Substitution not allowed.

COURSE OFFERINGS

PE PHYSICAL EDUCATION

- 101 Introduction to Physical Education (co-ed) 2 credits** First semester
Designed to give the prospective physical education teacher early training and understanding of what is involved in the profession.
- 103 Introduction to Recreation (co-ed) 2 credits** Second semester
Designed to acquaint the student with the growth and development of community recreation and the role of community recreation in our present day society.
- 105 First Aid (co-ed) 2 credits** Each semester
Prevention and treatment of common injuries. Course leads to Standard Red Cross First Aid Certificate.
- 121 Personal and Public Health (co-ed) 2 credits** Either semester
This course deals with phases of health in which the student can aid in conserving the health of himself, his family and the community. It is concerned with such subjects as nutrition, degenerative diseases, health needs and services, alcohol, family living and the local health department.
- 152 Beginning Swimming (W) 1 credit** Each semester
Teach basic skills, floating, bobbing and basic swimming techniques, American crawl, side stroke, back stroke. For students that don't know how to swim.
- 155 Drill Team Clinic—1 credit** Summer Session
A workshop designed to teach how to organize, operate and control a girl's marching and dancing team, to create football drills, basketball shows, and parades.
- 157-158 Drill Team (W) 1 credit** Either semester
Drills composed of dance steps and arranged in various formation and maneuvers for half-time presentation at football and basketball games. One hour daily. By instructor's permission.
- 159 Self-Defense (W) 1 credit** Each semester
The defensive arts are presented in the form of Aikido, teaching coordination of the mind and body, and on-aggressive application of the natural laws of gravity and force.
- 161 Badminton (W) 1 credit** Either semester
A general introduction to rules and fundamentals of Badminton.
- 162 Badminton (M) 1 credit** Either semester
A general introduction to rules and fundamentals of Badminton.
- 163 Volleyball (W) 1 credit** Either semester
A course in the fundamentals and team strategy of volleyball. Also designed for the improvement of skill.
- 164 Volleyball (M) 1 credit** Either semester
General rules and participation.
- 165 Basketball (W) 1 credit** Second semester
A course in the fundamentals and team strategy of basketball. Also designed for the improvement of skill.
- 166, 167 Varsity Participation (M) 1 credit** Either semester
Includes Football, Basketball, Wrestling, Baseball, Track and Cross Country.
- 168 Basketball (M) 1 credit** Second semester
General rules and participation.
- 169 Tennis (W) 1 credit** Either semester
- 170 Tennis (M) 1 credit** Either semester
An introductory course to provide training and special skills and rules in tennis.
- 171 Field Hockey (W) 1 credit** Either semester
A course in the fundamentals and team strategy of field hockey. Also designed for the improvement of skill.
- 172 Softball (W) 1 credit** Second semester
- 173 Soccer (M) 1 credit** First semester
- 174 Judo (M) 1 credit** Each semester
- 175 Self-Defense (M) 1 credit** Each semester

- 178 **Beginning Swimming (M)** 1 credit Each semester
Teach basic skills, floating, bobbing and basic swimming techniques, American crawl, side stroke, back stroke. For students that do not know how to swim.
- 179 **Rugby (M)** 1 credit First semester
- 180 **Archery (co-ed)** 1 credit Either semester
- 181 **Golf (co-ed)** 1 credit Either semester
- 182 **Track and Field (W)** 1 credit Second semester
A course in the fundamentals, theory, and practice of running, hurdling, shot put, discus, standing broad jump, running broad jump, and high jump.
- 183 **Handball and Court Games (M)** 1 credit Either semester
Techniques and skills of handball and paddleball with special emphasis on playing procedures.
- 184 **Recreational Dance (co-ed)** 1 credit Either semester
A course in the fundamentals of dance designed to increase the knowledge and skill of the student. The course will include folk, square, round, mixers, and basic social dances.
- 185 **Activities for Fitness (W)** 1 credit Either semester
Emphasis on body mechanics to increase physical fitness. Poise, coordination, improvement of posture through exercises also are stressed.
- 186 **Activities for Fitness (M)** 1 credit Either semester
Techniques and skills for individual fitness, with emphasis on drills and general physical conditioning programs for individual needs.
- 187 **Tap Dancing (coed Elective)**—1 credit Either semester
- 188 **Social Dancing (coed Elective)**—1 credit Either semester
- 189 **Folk & Square Dancing (coed Elective)**—1 credit Either semester
- 190 **Bowling (coed Elective)**—1 credit Each semester
- 191 **Skiing and Mountaineering (coed Elective)**—1 credit Second semester
- 192 **Defensive Tactics (coed Elective)**—1 credit Either semester
- 193 **Touch Football (M)** 1 credit (Elective) First semester
- 203, 204 **Sports Officiating (coed)**—2 credits Each semester
- 208 **Advanced Gymnastics (co-ed)** 1 credit Either semester
Special emphasis is placed on developing combination and routines on the different types of apparatus. (Prerequisite: Beginning Gymnastics or instructors permission.)
- 209 **Advanced Self-Defense (M)** 1 credit Either semester
- 210 **Advanced Judo (M)** 1 credit Either semester
- 253 **Beginning Gymnastics (W)** 1 credit Either semester
- 271 **Soccer (M)**—1 credit (Elective) Either semester
- 273 **Beginning Gymnastics (M)** 1 credit Either semester
- 277 **Body Conditioning (M)** 1 credit Either semester
- 281 **Advanced Swimming (co-ed)** 1 credit Either semester
To teach the advanced pupil about Senior Life Saving, the 9 basic styles of swimming. The student should be of sound physical condition and have better than average swimming ability. (Prerequisite Senior Life Saving or permission of instructor.)
- 282 **Senior Life Saving (co-ed)** 1 credit Either semester
To provide the swimmer with additional strokes and self rescue techniques that will make him a better participant in the sport of swimming.
- 283 **Water Safety Instruction (co-ed)** 1 credit Either semester
This course is divided into two sessions of eight weeks each. First session—teaching the beginning swimmer. Second session—teaching the advanced swimmer and introduction to S.C.U.B.A. (Prerequisite Advanced Swimming or Senior Life Saving or permission of instructor.)
- 286 **Fencing (co-ed)** 1 credit Either semester

Upper Division

- 319 **Techniques and Methods of Coaching Football**—2 credits Fall semester
Details of teaching individual fundamentals, offensive and defensive play, strategy, and conditioning of players. Prerequisite: Junior standing or instructor's permission.
- 320 **Techniques and Methods of Coaching Wrestling**—2 credits Each semester
Offense and defense in wrestling, equipment and training; meets and tournaments; wrestling styles; and conditioning and facilities. Prerequisite: Junior standing or instructor permission.

323 Techniques and Methods of Coaching Basketball—2 credits

Spring semester

Methods of coaching offense and defense, styles of play; and basketball strategy. Prerequisite: Junior standing or instructor's permission.

324 Techniques and Methods of Coaching Baseball—2 credits

Spring semester

Baseball fundamentals including batting, fielding, conditioning and training. Prerequisite: Junior standing or instructor's permission.

327 Techniques and Methods of Coaching Track and Field—2 credits

Spring semester

The theory and methods of coaching the various events in track and field and the planning of meets. Prerequisite: Junior standing or instructor's permission.

328 Care and Treatment of Athletic Injuries—2 credits

Each semester

The care, prevention, and treatment of athletic injuries. The study and practice of modern athletic training methods. Prerequisite: Junior standing or instructor's permission.

336 Gymnastics, Apparatus, Fitness Techniques (Co-ed)—2 credits. CCBII

Either semester

Techniques and skills of gymnastics and apparatus. Agility drills and general physical conditioning including safety precautions, equipment and measurement. Prerequisite: Lower division Gymnastics or instructor's permission. One hour lecture and one two-hour lab.

337 Team Sports Techniques (Co-ed)—2 credits

Either semester

A consideration of Basic techniques of team sports including skills, rules, and strategies with special emphasis on teaching procedures. One one-hour lecture and one two-hour lab.

341 Dance Techniques (Co-ed)—2 credits

Either semester

Fundamentals and advanced techniques in Ethnic Folk and American Square Dances with additional Social Dance techniques. Prerequisite: Folk and Square Dance and Social Dance. 1 hour lecture and 1 two-hour lab.

342 Individual and Dual Sports Techniques (Co-ed)—2 credits

Either semester

Techniques and skills in a variety of individual and dual sports in physical education and community recreation programs. One hour lecture and one two-hour lab.

351 Kinesiology (Co-ed)—3 credits

First semester

A study of the range, quality, and capacities of movement of the human body, analysis of muscular movement in sports activities. Prerequisite: Human Physiology and Anatomy Z-107.

355 Physiology of Exercise (Co-ed)—3 credits

Second semester

The effects of muscular exercise and physical conditioning on the circulatory, respiratory, and other physiological processes. Prerequisite: Kinesiology PE-351.

361 Elementary School Physical Education (Co-ed)—2 credits

Either semester

The study of the physical needs of elementary school children combined with the selection and planning of activities; methods and procedures in the presentation of the physical education program. One hour lecture. One hour lab per week.

363 Elementary School Health Education (Co-ed)—2 credits

Second semester

A survey of methods and techniques in presenting Health materials. Emphasis on available source materials and the organization of teaching health units for elementary schools. Two hours per week.

451 Correctives (Co-ed)—2 credits

Second semester

Survey of common deviations of posture, functional disturbances and crippling conditions found in school children. Consideration of the extent and limitations of the teacher's responsibility for correction or improvement of physical defects. Prerequisite: Junior standing or instructor's permission.

455 Tests and Measurements (Co-ed)—2 credits, CCBII

Second semester

Testing procedures and standard tests used in physical education activities, the evaluation of physical education activities; physical makeup of examinations and importance of evaluating programs in physical education. Prerequisite: Junior standing or instructor's permission.

457 Organization and Administration of Physical Education**(Co-ed)—3 credits****First semester**

Study of departmental organization, instructional and recreational programs, supervision of instruction, physical plant, and finance. Prerequisite: Junior standing or instructor's permission.

461 Secondary School Health and Physical Education**(Co-ed)—2 credits, CCBII****Either semester**

Designed to give prospective secondary teachers a foundation in school health education and physical education. Healthful school living and instructional programming is emphasized. Prerequisite: Junior standing or instructor's permission.

471 High Organized Games (W)—2 credits**Either semester**

Special emphasis is placed on officiating; prevention and care of athletic injuries; selection and maintenance of equipment for the respective games. One hour lecture and one two-hour lab.

P PSYCHOLOGY**Lower Division****101 General Psychology—3 credits****Each semester**

The first half of an introductory course in psychology. General Psychology 101 and 102 are more concerned with theory and terminology than are the other beginning courses listed in this section. Emphasis in the first semester will be on growth and development, individual differences, motivation, emotion, adjustment, learning perception, and thinking. Recommended preparation: one year of college-level science.

102 General Psychology—3 credits**Second semester**

A fresh look at the traditional problems of psychology. Whereas the approach in the first semester is eclectic, in this semester class work will be concerned primarily with understanding the point of view of a single prominent psychological theorist. Selected supplemental readings will be available. Prerequisite: General Psychology P-101.

105 Applied Psychology—3 credits**Each semester**

A study of the application of psychological principals to selected activity areas, such as business, education, military, medicine, law enforcement, etc. The course is designed especially for those students whose majors lie outside the behavioral sciences.

210 Human Growth and Development—3 credits**Each semester**

A survey of significant factors in development from conception through adolescence. Consideration is given to normal patterns of maturation and adjustment. Major constitutional and environmental adjustment problems will also be presented. The course is intended for those who wish to study the general factors in child and adolescent development, not for psychology or education majors. Students may not earn credits in this course and in Child Psychology P-311 or Adolescent Psychology P-312.

Upper Division**301 Abnormal Psychology—3 credits****First semester**

A descriptive approach to the study of the etiology, development, and dynamics of behavioral disorders, together with a review of current preventive and remedial practices. Prerequisite: General Psychology P-101 and P-102.

305 Statistical Methods—3 credits**First semester**

Statistical concepts and methods commonly used in treatment of data in the Social Sciences. Topics covered will include: measures of central tendency and of variability, correlation measures, probability, and simple analysis of variance. Prerequisites: Fundamental Concepts of Mathematics M-105-106.

311 Child Psychology—3 credits**First semester**

A study of development and adjustment from conception to adolescence. Consideration will be given to both constitutional and environmental factors, to normal growth patterns, and to problem areas. Students may not earn credits in this course and in Human Growth and Development P-210. Prerequisite: General Psychology P-101.

312 Adolescent Psychology—3 credits Second semester

Chronologically a continuation of Child Psychology P-311; the course will emphasize the special conditions of adolescent growth and adjustment. Consideration will be given to maturational and social patterns, and to behavioral, learning, and other problem areas. Students may not earn credits in this course and in Human Growth and Development P-210. Prerequisite: General Psychology P-101.

321 Experimental Psychology—4 credits Second semester

The application of scientific methodology to the study of behavior. Design of experiments; methods of analysis and interpretation of data; reporting of behavioral research. Two lectures and two two-hour laboratory periods per week. Prerequisite: General Psychology P-101, Statistical Methods P-305 and Fundamental Concepts of Mathematics M-105-106.

325 Educational Psychology—3 credits Each semester

A critical examination of some psychological concepts that have relevance to the process of education. Prerequisite: General Psychology P-101.

341 Perception—3 credits Either semester

A survey of the basic concepts in the psychology of perception, including a review of the findings of present day research on the receptor processes. Prerequisite: General Psychology P-101. Offered alternate years.

351 Personality—3 credits Second semester

A study of the major contemporary theories and concepts of personality. Prerequisite: General Psychology P-101.

421 Psychological Measurement—3 credits Second semester

An introduction to the theory and nature of psychological measurement together with a survey of types of psychological tests currently used. Prerequisite: General Psychology P-101, Fundamental Concepts of Mathematics M-105-106 and Statistical Methods P-305.

425 Physiological Psychology—3 credits Either semester

A survey of classical and current problems, with emphasis on nervous and endocrine systems in the processing of information and the organization of behavior. Examples of sensation, perception, motivation, emotion, and learning will be studied from this point of view. Prerequisites: Mathematics 105-106, Statistics, and Experimental Psychology. Offered alternate years.

431 Social Psychology—3 credits First semester

Social factors affecting individual behavior; formation and change of attitudes; social and cultural effects on individual cognitions; effects of leadership on members of groups and organizations. This course may be used as either Psychology or Sociology credit. Prerequisite: General Psychology P-101 and Introduction to Sociology SO-101.

435 Psychology of Motivation—3 credits Either semester

Survey of experimental and theoretical studies of motivation in animals and men. Prerequisites: Psychology 101, Mathematics 105-106, Statistics, and Experimental Psychology. (Not offered 1970-71.)

441 Learning—3 credits Either semester

Fundamental concepts of learning, with emphasis on recent developments in the field. Topics to be covered include: conditioning, rote learning, problem solving, memory, discrimination, and motor skills. Prerequisite: General Psychology P-101, Fundamental Concepts of Mathematics M-105-106, Statistical Methods P-305, and Experimental Psychology P-321. Offered alternate years.

461 Psychological Systems—3 credits Second semester

Major theoretical formulations of the past and present. Prerequisite: Senior standing in Psychology.

TE TEACHER EDUCATION**Lower Division****108 Developmental Reading—1 credit** Either semester

The course is designed to develop the speed of reading by each individual through the enhancement of improved techniques in vocabulary development, familiarity with subject matter, locating the main idea, recognizing paragraph patterns and types, skimming and scanning, study skills, and test taking. A variety of activities are employed, including the employment of electronic devices.

109 Developmental Reading—1 credit Either semester

Prerequisite 108 and permission of instructor. A series of readings and conferences are conducted between student and instructor concerning the student's individual reading needs.

201 Foundations of Education—3 credits Each semester

A general introductory course in education to give the student, as early as possible in his preparation for teaching, some familiarity with the teaching profession. It deals with the work of the teacher; the fundamental social, historical and philosophical background for teaching; current educational problems and practices. It helps students decide whether they should or should not become a teacher. Admission to the Teacher Education Program will be contingent upon meeting certain requirements specified in this course.

Upper Division**351 Elementary Curriculum and Methods—Language Arts—3 credits**First semester

Curriculum, materials and methods of teaching Reading, Literature, English, Spelling, Handwriting. Emphasis is placed upon reading instruction which includes individual and group instruction, reading readiness, beginning reading, word recognition skills, study skills, diagnostic techniques and corrective assistance. Prerequisite: Child Psychology, G.P.A. 2.25. To be taken concurrently with Student Teaching, TE-471.

352 Elementary Curriculum and Methods—Social Studies and**Science—3 credits**Second semester

Methods and materials with emphasis upon the unit method of teaching social studies and science. Prerequisite: Elementary Curriculum and Methods, TE-351. To be taken concurrently with Student Teaching, TE-472.

353 Elementary Mathematics Methods—2 creditsSummer

A study of mathematics content, methods of teaching, and materials for instruction. Emphasis is placed upon teaching techniques, evaluation, individual differences, and corrective measures. Prerequisite: Fundamentals of Modern Mathematics for Elementary Teachers, M-103 and 104.

354 Science for Elementary Schools—2 creditsSummer

A study of science concepts and information for elementary teachers as well as a knowledge of objectives, materials, and methods needed by a teacher for preparing learning activities and answering children's questions in a functional elementary science program: Emphasizes the psychological processes and learning activities necessary for the development of an individual's scientific inquiry abilities. Prerequisite: eight hours lab science and Elementary Methods and Curriculum and/or teaching experience.

355 Teaching of Reading—2 creditsSummer

A detailed consideration of the content to be taught and the methods and materials to be used in the teaching of reading from kindergarten through sixth grade. Investigation of recent research coupled with wide library reading and individual research. Prerequisite: Elementary Curriculum and Methods or permission of instructor.

356 Audio-Visual Aids in Education—2 creditsEach semester

Motion pictures, graphic materials, filmstrips, lantern slides, field trips and auditory aids are among the instructional materials studied in this class with practical experience in the operation of the equipment involved.

357 Language Arts Methods—2 credits

Summer

A detailed consideration of the scope and nature of an adequate program of instruction in language, spelling and handwriting in kindergarten through sixth grade. An investigation of recent and pertinent research in the language arts and the implications of these research data to modern techniques of teaching. Prerequisite: Elementary Curriculum and Methods and/or teaching experience.

359 Social Studies Methods—2 credits

Summer

A study of methods of teaching the social studies in the elementary school with emphasis upon the criteria for the selection of content. A detailed consideration of objectives; construction and use of units, problem solving and methodology including use of concrete experiences, audio-visual materials, group processes, questioning, reading and techniques of evaluation. Prerequisites: Elementary Curriculum and Methods and/or teaching experience.

361 Workshop in Modern Mathematics**for Elementary Teachers—3 credits**

Summer

A workshop in modern or contemporary mathematics, its content and methods. This course will consist of an examination of the content and methodology of a selected mathematics program. Six hours of lecture and four hours of lab per week. The course is limited to experienced teachers.

371 Guidance for the Classroom Teacher—2 credits

Either semester

A study of the guidance activities normally carried on by the classroom teacher.

381 Secondary School Methods—3 credits

Each semester

A study of the over-all program and objectives of the secondary school, with special attention given to methods and materials of instruction. Application is given to the student's major and minor teaching areas. Prerequisites: (1) Admission to Teacher Education; (2) Completion of Educational Psychology (P-325) or Adolescent Psychology (P-312); (3) G.P.A. of at least 2.25 in major field, minor field, and education courses. This course should be taken prior to student teaching.

391 Psychology of the Exceptional Child—3 credits

First semester

A psychological study of children who deviate from the average mentally, physically, socially, and emotionally to such an extent that special treatment is needed. Problems of identification, diagnosis, treatment, training, and employment are considered. Prerequisite: Educational or Child Psychology.

392 Education of the Exceptional Child—3 credits

Second semester

A study of methods, materials, and curriculum for atypical children in regular and special classrooms. Prerequisite: Psychology of the Exceptional Child.

393 Driver Education—2 credits

Spring, Summer

This course is designed to aid teachers in the instruction of beginning drivers, and in the use of dual controlled automobiles. It includes the functioning of the vehicle, its proper operation, and traffic control and safety.

394 Advanced Driver Education—2 credits

Spring, Summer

A course designed to provide advanced preparation in principles and practices of driver and traffic safety education for teachers, supervisors, and administrators. Prerequisite: TE-393.

455 Corrective Reading in the Elementary School—3 credits

Either semester

A study of reading difficulties of elementary school pupils with emphasis upon diagnosis, materials, and methods of teaching. Prerequisite: Elementary Student Teaching, TE-471, or teaching experience and a basic course in the teaching of reading.

470 Elementary Student Teaching—3 credits

Either semester

Observation and supervised teaching in the schools of Boise.

471 Elementary Student Teaching—4 credits First semester
Observation and supervised teaching. Prerequisites: Approval of an Application for Student Teaching, Senior standing, and G.P.A. 2.25.

To be taken concurrently with Elementary Curriculum and Methods, TE-351. Application for admission must be filed by February 15 of Junior year with Director of Elementary Education.

472 Elementary Student Teaching—5 credits Second semester
Observation and supervised teaching. Prerequisite: TE-351. To be taken concurrently with Elementary Curriculum and Methods, TE-352.

481 Secondary Student Teaching—6 credits Each semester
Supervised student teaching in a public secondary school. This is practical teaching experience in the student's major and/or minor teaching field. Prerequisites: (1) Admission to Teacher Education; (2) Completion of Educational Psychology (P-325) or Adolescent Psychology (P-312); (3) Secondary School Methods (TE-381) must be completed prior to student teaching; (4) Completion of at least 11 semester hours of education and psychology requirements (P-325 and/or P-312); (5) G.P.A. of at least 2.25 in major field, minor field, and education courses; (6) Senior standing; (7) Recommendation of the student's academic advisor; (8) Approval of an official application for student teaching, which must be filed with the Director of Secondary Education by February 15 of the Junior year.

LS LIBRARY SCIENCE

Lower Division

101 Introduction to use of Books and Libraries—2 credits Either semester
Teaches efficient use of library materials, card catalog, indexes, general reference books, and reference aids in various subject fields. Open to any student but designed primarily for freshman, sophomores, and new students. Recommended for education majors.

Upper Division

301 Library Organization and Administration—3 credits First semester
An introduction to the development, organization, and management of all types of libraries, with emphasis on the school library and its place in the instructional program.

***311 Reference and Bibliography—3 credits** First semester
Introduction to the principles and techniques of reference work; the evaluation and use of basic reference books, indexes, and bibliographies found in school and small public libraries.

316 Children's Literature—3 credits Each semester
Emphasis on selection, wide reading, and evaluation of books for children, and reading guidance in relation to both personal and curricular needs. Required of elementary education majors and elementary school librarians, recommended for public librarians, parents and any who work with children.

***321 Basic Book Selection—3 credits** Second semester
Principles and techniques for evaluating and selecting library materials; introduction to reviewing media and to basic tools for selecting and acquiring all types of book and non-book materials. Includes discussions of discarding and weeding, and materials for the slow and gifted reader.

331 Cataloging and Classification—3 credits Second semester
Introduction to the theory and principles of classification and cataloging of book and non-book materials; practice in using the Dewey Decimal Classification, in preparing catalog cards and in the ordering and use of Wilson and Library of Congress printed cards; assigning of subject headings, and library filing

341 Literature for the Adolescent—3 credits Second semester
Reading and appraisal of literature appropriate to the needs, interests, and abilities of young people. Intended for librarians, high school teachers and others interested in working with young adults. Prerequisite: 3 credits of Lower Division Literature.

*Especially recommended for secondary teachers.

PART VI

Area Vocational Technical School

DIRECTOR: GILBERT McDONALD MILLER

OBJECTIVES

FACULTY

ADMISSION REQUIREMENTS

VOCATIONAL TWO-YEAR PROGRAMS

TECHNICAL TWO-YEAR PROGRAMS

DISTRIBUTIVE EDUCATION TWO-YEAR PROGRAMS

ONE-YEAR VOCATIONAL-TECHNICAL PROGRAMS

DIRECTOR, Gilbert McDonald Miller

Vocational Counselor: Callies

Adult Basic Education: Showmaker

Auto Body: Mr. Curtis

Auto Mechanics: Fleshman, Fuerher, Haydon

Computer Programming: Severance

Dental Assisting: MacInnis

Drafting Technology: Van Liew, Weston, Watts

Electronics: Cofield, Sieber, LaRue

Horticulture: Oyler

Machine Shop: Baggerly, Qualman

Mid-Management: Knowlton, Lemmon, Scudder

Office Machine Repair: Harris, Millard

Practical Nursing: Chaffee, Flaherty

Related Instruction: Krigbaum, Tennyson, Tompkins

Welding: Buchanan, Ogden

Objectives of Vocational Education:

To provide the opportunity for state and local citizens to acquire the education necessary:

(a) To become employed, to succeed, and to progress in a vocational-technical field.

(b) To meet the present and anticipated needs of the local, state, and national economy for vocational-technical employees.

(c) To become contributing members of the social, civic and industrial community.

Curriculum Changes:

Curriculum changes may be made at any time with the approval of the Curriculum Committee to meet the needs of industry.

Admission Requirements:

Application materials may be obtained from the Director of Admissions Office, Boise State College.

(a) Application for Admission: Fill out an Application for Admission Form. Once completed, the application should be returned to the Admission's Office.

(b) Educational background: Request a transcript of High School credits and, if applicable, a transcript of College credits be sent by the institution(s) directly to the Director of Admissions.

(c) Reference: A minimum of one reference must be submitted by school authorities, employers, or interested persons. No relatives accepted.

(d) Aptitude Test: Contact the nearest local office of the Department of Employment or Youth Opportunity Center and request a General Aptitude Test Battery to be taken for the Vocational-Technical Division of Boise State College. Request that the office send the results to the local office of the Department of Employment, or directly to the Vocational-Technical Division, Boise State College, Boise, Idaho 83707.

(e) Photos: Two (2) copies of recent photos of yourself—billfold size (2"x3") on the back of which please sign your name.

(f) Physical Examination: Report from your local physician on college form supplied with the application materials.

(g) Personal Interview: Upon furnishing the above data, a notice will be sent to you to arrange for a personal interview.

(h) High school graduation is recommended but is not required to enter a vocational or technical program, provided one has been out of high school one complete semester.

VOCATIONAL Two Year Programs

HO HORTICULTURE SERVICE TECHNICIAN — CURRICULUM

(Landscape Construction and Maintenance)

The landscape construction and maintenance curriculum has for its objective the preparation of students for employment in the landscape, nursery and florist industries. This includes both the production, sales and service areas of these major fields. The training stresses the design of landscapes, their interpretation and construction including costs, but the production of nursery plants, plant propagation, the design of landscapes, and landscape planting is also covered. Graduates of the horticulture curriculum qualify for positions in nursery and floral establishments as well as in parks, grounds and highway departments. They may also enter the fields associated with plant propagation, nursery sales, greenhouse work and sales in the related fertilizer and insecticide fields. Credits in this course of study are not counted towards an academic degree.

Freshman Year:

Subject Course No. and Title	Credits	
	Fall	Spring
HO 101-102 Horticulture Laboratory	5	5
HO 111-112 Communication Skills	3	3
HO 131-132 Related Basic Mathematics	3	3
HO 141-142 Related Basic Science	2	2
HO 151-152 Related Basic Theory	5	5
	18	18

Sophomore Year:

HO 201-202 Horticulture Laboratory	5	5
HO 241-242 Related Science	2	2
HO 251-252 Horticulture Theory	5	5
HO 262 Industrial Psychology	2	
HO 271 Individual Project		3
MM 213 Credits and Collections		2
MM 101 Retail Selling	3	
	17	17

HO HORTICULTURE SERVICE TECHNICIAN — Courses

101 Horticulture Laboratory 5 credits

Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application to include: exploring occupational opportunities; identification of plants by the use of descriptive terms; identification of biennial and perennial flowering plants; use of scientific names; classifications and botanical structures of plants; climatic and other factors limiting growth; soils; and soil amendments. Fifteen clock hours per week.

102 Horticulture Laboratory 5 credits

Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include methods of plant propagation; construction of growing containers and houses; arrangement and implementation of entire greenhouse operation; the use of insecticides, pesticides, etc. and precautions necessary during use. Prerequisite: Horticulture Laboratory HO-101.

111-112 Communication Skills 3 credits

This course is designed to develop the student's communication skill in observing, listening and reading, with emphasis on study methods, memory and concentration work, vocabulary improvement, and a review of basic English and spelling. Second semester—to develop communication skill in speaking and writing with emphasis on conversational speaking, clarity and brevity in letter, report, and technical writing. Three clock hours per week.

131-132 Related Basic Mathematics

3 credits

First semester—developing comprehension of the basic principles of mathematics. Specific areas include: addition, subtraction, multiplication, division, fractions, percentage, denominate numbers, square root, mensuration. Second semester—developing comprehension of the principles of related bookkeeping and accounting. Specific areas to be covered to include: income and expense accounts, general journal and ledger, sales and purchases, inventories, pay-roll income taxes, etc. Three clock hours per week.

141-142 Related Basic Science

2 credits

First semester—developing comprehension of the scientific principles utilized in: (1) plant identification, (2) plant growth and development, (3) limiting factors, (4) soils. Second semester—developing comprehension of the scientific principles utilized in: developments which aid plant propagation, construction materials, insecticides, pesticides. Two clock hours per week.

151-152 Horticulture

5 credits

First semester—developing comprehension, analysis, and evaluation of the following: (1) introduction into the field of horticulture, (2) plant classifications and growth, (3) climate and other growth limiting factors, (4) soil and soil amendments. Second semester—developing comprehension, analysis, and evaluation of the following: plant propagation (sexual); growing containers; insect and disease control. Seven clock hours per week.

201 Horticulture Laboratory

5 credits

Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include preparing of land-scape drawings, making concrete, block, brick, stone, and wood structures, growing greenhouse crops, welding structures, and basic first aid. 15 clock hours per week.

202 Horticultural Laboratory

5 credits

Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include maintenance and operation of power equipment, establishment and maintenance of lawns, shrubs and trees, prevention and treatment of plant wounds. 15 clock hours per week.

241 Related Science

2 credits

Developing comprehension of the scientific principles utilized in: (1) plant growing and; (2) materials of construction.

242 Related Science

2 credits

Developing comprehension of the scientific principles utilized in: (1) power equipment; (2) lawn and shrub maintenance; and (3) plant wounds.

251 Horticulture Theory

5 credits

Developing comprehension, analysis, and evaluation of the following: (1) various types of construction common to plant growing, i.e. greenhouses, cold frames, hot beds, lath houses, propagators, germinators, etc.; (2) materials of construction, i.e. concrete, mortar, block, brick, stone, wood, etc.; (3) greenhouse crops; (4) first aid. Seven clock hours per week.

252 Horticulture Theory

5 credits

Developing comprehension, analysis and evaluation of the following: (1) power machines as used in horticulture i.e. mowers, tillers, saws, shredders, aerifiers, sod cutters, pesticide applications, etc.; (2) turf, shrub, and tree management procedure; (3) prevention and treatment of plant wounds. Seven clock hours per week.

262 Industrial Psychology

2 credits

This course is designed to develop those human relationship skills the student will need at work. Relationship situations of office and shop are simulated, enacted, discussed, and solved practically through group interaction. Understanding of self and others is sought. Career planning and techniques necessary to obtain employment are stressed.

271 Individual Project

3 credits

Providing the opportunity for the student to apply all his prior education in planning, developing and completing a unique, practical horticultural project.

OM OFFICE MACHINE REPAIR — CURRICULUM

The course and outline in Office Machine Repair has been developed to give the student of the course enough basic knowledge to be productive and able to perform the average job without any additional training. He will be qualified to make maintenance contract inspections, make proper mechanical adjustments and do general shop work. He will also be in a position to receive on-the-job training by his employer to become a highly specialized mechanic. Students desiring fundamental preparation for entering the electronic calculator repair field should take courses indicated in the curriculum shown below. This is a two-year course and credits are not counted toward an academic degree.

Freshman Year:

Subject Course No. and Title	Credits	
	Fall	Spring
OM-101-102 Office Machine Repair Laboratory	5	5
OM-111-112 Communication Skills	3	3
OM-131-132 Related Basic Mathematics	3	3
OM-141-142 Related Basic Science	2	2
*OM-143-144 Related Electronics	2	2
OM-151-152 Related Basic Theory	3	3
	<hr/> 18	<hr/> 18

Sophomore Year:

Subject Course No. and Title	Credits	
	Fall	Spring
OM-201-202 Advanced Office Machine Repair Laboratory	5	5
OM-231-232 Related Advanced Mathematics	3	3
OM-241-242 Related Advanced Science	3	2
*OM-243-244 Advanced Related Electronics	3	2
OM-251-252 Related Advanced Theory	3	3
OM-262 Industrial Psychology	2	—
MM-101 Retail Selling	—	3
	<hr/> 19	<hr/> 18

OM OFFICE MACHINE REPAIR — Courses

101-102 Office Machine Repair Laboratory 5-5 credits

First semester—The student is issued standard typewriters to be completely disassembled and reassembled. All adjustments are taught as well as the proper use of hand tools. Instructions are given on the process of chemical cleaning, oiling and refinishing of platens; preparing work orders and other clerical work required of a repairman. Second semester—The student is issued electric typewriters to be completely disassembled and reassembled. All adjustments are taught regarding the electric features of the machine. Special emphasis is placed on maintenance and cleaning of electric motors and the wiring schematic of the machine. The use of power tools and shop equipment is taught during this semester. 15 clock hours per week.

111-112 Communication Skills 3-3 credits

This course is designed to develop the student's communication skill in observing, listening and reading, with emphasis on study methods, memory and concentration work, vocabulary improvement, and a review of basic English and spelling. Second semester—to develop communication skill in speaking, and writing with emphasis on conversational speaking, clarity and brevity in letter, report, and technical writing. Three clock hours per week.

* Required by students electing the Electronic Calculating Machine Repair Option.

131-132 Related Basic Mathematics

3-3 credits

First semester—Basic review of ordinary business arithmetic problems including addition, multiplication, division, fractions, decimals, square areas and volumes. Second semester—Advanced business arithmetic problems including mixed numbers, positive and negative numbers, percentages, and related geometry. Three clock hours per week.

141-142 Related Basic Science

2-2 credits

First semester—The course is intended to develop the student's knowledge of basic related principles and includes the study of force, weight, friction, motion, power, energy and simple machines. Second semester—the student gains a knowledge of heat, electricity and its uses, magnetism, resistance and controls. Special instructions are given on safety precautions in the use of electricity. Four clock hours per week.

143-144 Related Electronics

2-2 credits

First semester—The study of basic electricity as applied to office machines. Orientation, safety, color codes, tolerance, scientific notations. Units of measure in physics and electricity, Ohms Law, formulas and graphs. Volt meters and Ammeters. DC networks and problems. Alternating voltage and current. Second semester—A continuation of 143. Capacitors (construction) and AC and DC action. Capacitors and their transient action (trig. functions). Inductors, AC DC and transient action, transformers. Electronic Mathematics and logic circuits. Four clock hours per week.

151-152 Related Basic Theory

3-3 credits

Study of mechanical theory of each machine being taught. Regulation factory manuals for office machines are used and the student is taught to read and understand the machanical drawings, as well as the printed descriptions accompanying them. Five clock hours per week.

201-202 Office Machine Repair Laboratory

5-5 credits

First semester—The student is issued adding machines to be completely disassembled and reassembled. All adjustments are taught as well as the use of special adding machine tools. Refinishing outside cases and the application of special paints is taught during this semester. Second semester—Each student is issued a calculating machine to be completely disassembled and reassembled. All adjustments are taught. An introduction is given to the numerous mechanical methods used in machine calculations covering basic principles. Fifteen clock hours per week. Prerequisite: Office Machine Repair Laboratory OM-102.

231-232 Related Advanced Mathematics

3-3 credits

First semester—Special emphasis is placed on analyzing machine errors on the printed tape and associating them with faulty or maladjusted parts. Calculating machine operations are studied. All basic business problems are taught as well as short-cut methods for figuring interest, percentages, discounts, fractions, and other special problems. Second semester—Fundamentals of bookkeeping. Three clock hours per week. Prerequisite: Related Basic Mathematics OM-132.

241-242 Related Advanced Science

3-2 credits

First semester—Study of electric motors, resistors, capacitors, chokes, and simple electronic schematics. Second semester—Study of vacuum tubes, transformers, relays and amplifiers. Five clock hours per week first semester and four clock hours per week. Prerequisite: Related Basic Science OM-142.

243-244 Advanced Related Electronics

3-2 credits

First semester—A continuation of 143 and 144. Introduction to vacuum tubes and transistors. Qualitative testing of transistors. Transistor amplifier circuits. Logic circuits using transistors (flip flop gates). Five clock hours per week. Second semester—Memory systems using transistors and ferrite cores, digital adder circuits, registers, digital processing circuits (shift registers) encoder and decoder circuits. Prerequisite: OM-143-144. Four clock hours per week.

251-252 Related Advanced Theory

3-3 credits

First semester—Study of mechanical theory of each machine being taught. Regulation factory manuals for adding machines are used. Special emphasis is placed on the mechanical principles which cause the adding machine to add, subtract, repeat, non-add and non-print, carry-over and credit balance. Second semester—Regulation factory manuals for calculating machines are used. The numerous mechanical methods of machine calculations are studied during this semester with special emphasis being placed on positive and negative multiplications, positive and negative division, automatic multiplication, accumulation, squaring and short-cut methods. Five clock hours per week each semester. Prerequisite: Related Basic Theory OM-152.

262 Industrial Psychology

2 credits

This course is designed to develop those human relationship skills the student will need at work. Relationship situations of office and shop are simulated, enacted, discussed, and solved practically through group interaction. Understanding of self and others is sought. Career planning and techniques necessary to obtain employment are stressed.

W WELDING — CURRICULUM

The welding curriculum is designed to provide two levels of training. The first year will provide the student with useable skills and should qualify him for employment as a production welder. Some students may desire to terminate their training at this point. The second year of the program will provide advanced training in layout and a better understanding of the properties of metals as well as advanced techniques and processes that are in demand in industry. The course of study may be altered to keep abreast of new welding procedures and advancements in industry.

Freshman Year:

Course No. and Title	Credits	
	Fall	Spring
W 101-102 Welding Lab	8	8
W 111 Communication Skills	3	—
W 131-132 Related Basic Math	3	3
W 151-152 Welding Theory	2	2
W 262 Industrial Psychology	—	2
	16	15

Sophomore Year:

W 201-202 Welding Lab	8	8
W 112 Communication Skills	3	—
W 231-232 Related Advanced Math	3	3
W 241-242 Welding Science	4	4
	18	15

W WELDING — Courses**101-102 Welding Laboratory—8 credits**

This course covers oxyacetylene burning by manual and automatic methods; oxyacetylene welding and brazing; arc welding using mild steel and low alloy steel electrodes in all positions; continuous wire feed welding processes; and submerged arc welding processes. The successful completion of this phase of the program will prepare the student for employment as a production welder or to take the second year of the program. Twenty clock hours per week each semester.

131-132 Related Basic Mathematics—3 credits

Basic review of addition, subtraction, multiplication and division of fractions, decimals and mixed numbers with application to basic blueprint reading, layout problems, framing square and weld symbols.

151-152 Welding Theory—2 credits

This course provides the knowledge necessary for the welding student to understand the welding processes and their appreciation as practiced in the laboratory course. Safety is emphasized in all phases of instruction. The set-up, care and maintenance of oxyacetylene equipment as well as the theory of oxyacetylene burning, welding and brazing is studied. Arc welding

equipment and methods are studied with the selection of electrodes for welding of mild and low alloy steels. Continuance feed and submerged arc welding processes are covered. Four hours per week both semesters.

201-202 Advanced Welding Laboratory

Pipe welding in the horizontal and vertical fixed positions. Heliarc and semi-automatic inert gas welding of similar and dissimilar metals and exotic metals. Stress relining and heat treatment of metals. Twenty clock hours per week each semester. Prerequisite: Welding Laboratory W-102.

231-232 Related Advanced Mathematics—3 credits

Blueprint reading, layout and design, fitting layout and details. Basic Algebra, Geometry, blueprint reading, layout and design. Three clock hours per week each semester. Prerequisite: Related Basic Mathematics W-132.

241-242 Welding Science—4 credits

First semester—Study of the basic metallurgy properties of metals and tests to determine their uses; the iron carbon diagram and the part carbon plays in the production of steel. Second semester—Study of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code and procedures. Operators qualifications, heat treatment of steels, classification of steels, testing and inspection of welds.

TECHNICAL

Two Year Programs

DT DRAFTING TECHNOLOGY — CURRICULUM

This curriculum is organized to provide engineering departments, government agencies, consulting engineers and architectural firms with a technician well-trained in the necessary basic skills and knowledge of drafting. The student is required to develop and maintain the same standards and techniques used in firms or agencies that employ draftsmen. Credits in this course of study are not counted toward an academic degree. Drafting Technology curriculum is open to both male and female students.

Subject — Freshman Year:

Course No. and Title	Credits	
	Fall	Spring
DT-101-102 Drafting Laboratory and Lecture	4	4
DT-111-112 Communication Skills	3	3
DT-121 Slide Rule	1	
DT-122 Surveying of Measurements		3
DT-131-132 Mathematics	3	3
DT-141-142 Applied Physics	3	3
DT-151 Design Orientation	2	
	16	16
	Credits	

Sophomore Year:

Course No. and Title	Credits	
	Fall	Spring
DT-201-202 Drafting Laboratory and Lecture	4	4
DT-221 Descriptive Geometry and Developments	2	
DT-222 Technical Report Writing		2
DT-231-232 Advanced Mathematics	3	3
DT-241-242 Science	3	3
DT-251 Manufacturing Processes	2	
DT-252 Introduction to Computer Programming		2
DT-261 Special Projects and Reports		2
DT-262 Industrial Psychology	2	
	16	16

DT DRAFTING TECHNOLOGY — Courses**101-102 Drafting Laboratory and Lecture**

4-4 credits

Fall semester—A period of orientation. Instruction in drafting room procedures, care and use of tools and special instruments. Supervision in the special techniques of producing finished detail and assembly drawings from notes and sketches. Emphasis on good lettering, line technique, and freehand sketching. Spring semester—A continuation of DT-101 with special emphasis placed on machine, architectural, piping, electrical, and structural drafting and design. Fifteen clock hours per week each semester; five hours Lecture and ten hours Laboratory.

111-112 Communication Skills

3-3 credits

This course is designed to develop five forms of communication skill: observing, listening, reading, writing and speaking. Memory and study improvement, word analysis, spelling and technical vocabulary are stressed during the first semester. Grammatical and logical forms, public and conversational speaking, business, report and technical writing are stressed during the second semester. Three clock hours per week each semester.

121 Slide Rule

1 credit

Fall semester—Sufficient mathematical proficiency; multiplication and division with application, proportion, principle, squares, square roots, cubes, cube roots and combined operations. Two clock hours per week.

122 Surveying and Measurements

3 credits

Spring semester—Beginning course designed for students with little or no training in surveying. It combines lectures, laboratory and field work in theory methods, equipment and problems involved in surveying and measurements and their application. Four clock hours per week. Prerequisite: DT-131.

131-132 Mathematics

3-3 credits

Fall semester—Fundamentals of basic mathematics, algebraic computations, practical plans and solid geometry and their application to problems likely to be encountered by the draftsman. Spring semester—Basic trigonometric functions, right triangles, oblique triangles and vectors. The course is closely integrated with the topics studied in science and drafting. Prerequisite: DT-131. Four clock hours per week.

141-142 Drafting and Design Applied Physics

3-3 credits

Fall semester—A general survey of physics with emphasis placed on principles of mechanics applied to solid particles and to fluids. Spring semester—Course in the basic principles of heat, sound, light electricity and magnetism, correlated with technical mathematics DD-132. Four clock hours per week. Prerequisite: DT-141.

151 Design Orientation

2 credits

Fall semester—A lecture-laboratory course designed to provide an opportunity for the student to apply theory, principles and methods to the solution of problems typical of those to be encountered in practice. Two clock hours per week.

201-202 Advanced Drafting Laboratory and Lecture

4-4 credits

Advanced techniques in drafting, problems on design level in the various fields served by Drafting and Design Technicians. Fifteen clock hours per week. Five hours lecture and ten hours laboratory. Prerequisite: Drafting Lab and Lecture, DT-102, or consent of the instructor.

221 Descriptive Geometry and Development

2 credits

Theory and practice of co-ordinate projection applied to the solution of properties of points, lines, planes and solids, with practical engineering application. Two clock hours per week.

222 Technical Report Writing

2 credits

A course to provide an understanding and practice in the processes involved in technical writing and methods of preparing reports based on problems related to the student's curriculum. Two clock hours per week.

231-232 Advanced Mathematics

3-3 credits

Advanced algebra, trigonometry and analytical geometry and introduction to calculus with emphasis on their application in design situations. Four clock hours per week each semester. Prerequisite: DT-132 Mathematics or consent of instructor.

241-242 Science

3-3 credits

Fall semester—An introduction to Dynamics which deals with the motion of rigid bodies and with the forces that produce or change their motion. Spring semester—Includes strength and properties of material and basic chemistry. Four clock hours per week each semester. Prerequisite: DT-142 Science or consent of the instructor.

251 Manufacturing Processes

2 credits

An introductory course to provide training and practice in using precision measuring instruments, tools, and accessories used in modern quality production and inspection. Instruction in the selection and use of machine tools, related equipment, and production methods. Three clock hours per week.

252 Introduction to Computer Programming

2 credits

This course is designed to give students the general concepts of problem-oriented computer language, including flow charting, coding, and the writing of FORTRAN IV programs. The Boise State College computer facility will be used with the course. Three clock hours per week.

261 Special Projects and Reports

2 credits

A general survey of the industrial community and the problems, advances and future developments as pertaining to the drafting technician. The application of the draftsman's ability to analyze and solve problems particular to their chosen field of emphasis. Two clock hours per week.

262 Industrial Psychology

2 credits

Methods of understanding self and others. Solution of interpersonal problems in business and industry. Techniques necessary to obtain employment. Responsibilities of the American worker. Two clock hours per week.

ET ELECTRONICS — CURRICULUM

The Electronics curriculum consists of two main courses of study:

First, the Electronics Technology program provides training for students desiring to enter the field of Electronics, working as team members with engineers in research and development.

Second, the Electronics Maintenance program provides training in practical servicing of electrical and electronic devices. Students may enter such areas as Radio-TV, Broadcast, or Industrial Service.

Credits in these courses of study are not counted toward an academic degree. The Electronics curricula is open to both men and women students.

Freshman Year:

Subject Course No. and Title	Credits	
	Fall	Spring
ET-101-102 Electronics Laboratory and Lecture	7	7
ET-111-112 Communication Skills	3	3
ET-131-132 Basic Electronics Math	4	4
ET-141-142 Electronics Science	2	2
	<hr/> 16	<hr/> 16

Sophomore Year:

ET-201-202 Advanced Electronics Laboratory	5	5
ET-231-232 Advanced Electronics Math	3	3
ET-241-242 Advanced Electronics Science	4	4
ET-251-252 Advanced Electronics Theory	2	4
ET-262 Industrial Psychology	2	
	<hr/> 16	<hr/> 16

ET ELECTRONICS — Courses**101 Electronics Laboratory and Lecture** 7 credits

Study of basic electricity, color code, test equipment, L.C.R. components, basic vacuum tubes and transistors. Logic circuits as applied to data handling equipment. Ten hours lecture and ten hours laboratory per week.

102 Electronics Laboratory and Lecture 7 credits

A continuation of ET-101, Thevenin's and Norton's equivalents, basic radio receiver and transmitter analysis, and basic transistors, printed circuit design and processing. Prerequisite: Electronics Laboratory and Lecture ET-101. Ten hours of lecture and ten hours laboratory.

111-112 Communication Skills 3-3 credits

This course is designed to develop five forms of communication skill: observing, listening, reading, writing and speaking. Memory and study improvement, word analysis, spelling and technical vocabulary are stressed during the first semester. Grammatical and logical forms, public and conversational speaking, business, report and technical writing are stressed during the second semester. Three clock hours per week.

131-132 Basic Electronics Mathematics 4-4 credits

First semester—Review of basic fundamentals of mathematics, slide rule, algebra, geometry, and basic trigonometry. Second semester—A continuation of first semester, logarithms, slide rule, and an introduction to analytical geometry. Five clock hours per week.

141-142 Electronics Science 2-2 credits

Designed to instruct the student in practice of drawing schematics, develop good electrical engineering lettering techniques, and understanding symbols, dimensions and designs. Second semester deals with engineering graphs, and printed circuit design. Two clock hours per week.

201-202 Advanced Electronics Laboratory 5-5 credits

First semester—Consists of practice on F.M. and T.V. receivers, scopes, pulse network, alignment of T.V. and F.M. circuits, pulse, differentiating and integrating circuits, antenna and transmission lines. Second semester—Industrial electronics, computers, transistors, and a continuation of first semester studies. Prerequisite: Electronics Laboratory and Lecture ET-102. Fifteen clock hours per week.

231-232 Advanced Electronics Mathematics 3-3 credits

The student will be concerned with advanced trigonometry, analytical geometry, and introduction to calculus. Prerequisite: Basic Electronics Mathematics ET-132. Five clock hours per week.

241-242 Advanced Electronics Science 4-4 credits

Basic physics as it applies to the electronic technician's needs. This course deals with mechanics, heat, sound, and light. Prerequisite: Electronics Science ET-142. Five clock hours per week.

251-252 Advanced Electronics Theory 2-4 credits

Fall semester—Covers the fundamentals, of broadband amplifiers, pulse network and techniques, pickup devices, deflection circuits, synchronization circuits A.M. and F.M. and T.V. equipment. Spring semester—Covers the theory and design of computers, thyratrons, transistors, servo and synchro principles. Three clock hours per week Fall and Five clock hours per week Spring.

262 Industrial Psychology 2 credits

This course is designed to develop those human relationship skills the student will need at work. Relationship situations of office and shop are simulated, enacted, discussed, and solved practically through group interaction. Understanding of self and others is sought. Career planning and techniques necessary to obtain employment are stressed.

DISTRIBUTIVE EDUCATION TWO-YEAR PROGRAMS
MM FASHION MERCHANDISING—MID-MANAGEMENT
CURRICULUM

Freshman Year:	First Semester	Second Semester
English Composition	3	3
Introduction to Business	3	—
Retail Selling	3	—
Clothing	3	—
Business Mathematics/Machines	4	—
Clothing Selection	—	2
Textiles	—	3
Elements of Management	—	3
Principles of Advertising	—	3
Mid-Management Work Experience	—	2
Physical Education Activities	1	1
	<u>17</u>	<u>17</u>

Sophomore Year:	First Semester	Second Semester
Introduction to Marketing	3	—
Costume Design	2	—
Professional Speech Communication	2	—
Retail Buying	3	—
Report Writing	3	—
Mid-Management Work Experience	2	2
Principles of Retailing	—	3
Principles of Accounting	—	3
Business Psychology	—	3
Supervision of Personnel	—	3
Elective	—	1
	<u>15</u>	<u>15</u>

MM MARKETING—MID-MANAGEMENT—CURRICULUM

Freshman Year:	First Semester	Second Semester
English Composition	3	3
Introduction to Business	3	—
Business Mathematics/Machines	—	4
Retail Selling	3	—
Principles of Advertising	—	3
Merchandise Analysis	—	3
Mid-Management Work Experience	2	2
Elements of Management	3	—
Professional Speech Communication	2	—
Physical Education Activities	1	1
	<u>17</u>	<u>16</u>

	First Semester	Second Semester
Sophomore Year:		
Introduction to Marketing	3	—
Principles of Retailing	—	3
Principles of Economics	3	—
Principles of Accounting	—	3
Business Psychology	—	3
Report Writing	3	—
Supervision of Personnel	—	3
Retail Buying	3	—
Credit and Collections	—	2
Mid-Management Work Experience	2	2
Elective	1	—
	15	16

MM MARKETING, MID-MANAGEMENT — Courses

Course offerings are described on pages 133-134.

VOCATIONAL

One Year Programs

AB AUTO BODY — CURRICULUM

11 Month Program

The Auto Body curriculum is designed to provide the student with the background necessary for employment in a shop repairing damaged automobiles. Basic laboratory practices of restoring vehicles to their original design, structure and finish are covered in this course. Some basic glasswork and frame alignment work are also covered. The student is given the opportunity to work on a variety of repair jobs in the shop, and to spend time in the parts and tool room. This training provides students with the necessary skills and knowledge for employment in the Auto Body Trade and closely allied crafts. Credits in this course of study are not counted toward an academic degree.

Subject Course No. and Title	Fall	Spring	Summer
AB-121-122-123 Auto Body Lab	10	10	7
AB-141-142-143 Auto Body Theory	7	5	5
AB-262 Industrial Psychology	—	2	—
	17	17	12

AB AUTO BODY — Courses

121-122-123 Auto Body Laboratory 10-10-7 credits

The purpose of these courses is to develop and give practice in the skills needed by an auto body repairman. Subjects covered include the following: orientation, safety rules, shop house-keeping, oxy-acetelene welding, painting fundamentals, metal working and shrinking, plastic and lead body filling, advanced painting processes, frame alignment, glass and panel replacement. 25 hours laboratory per week.

141-142-143 Auto Body Theory 7-5-5 credits

This course correlates with the auto body laboratory course. The theory of auto body repair and painting is covered. Mathematics and science necessary for and related to the trade are taught. 10 hours lecture summer and fall, 8 hours lecture spring per week.

262 Industrial Psychology 2 credits

This course is designed to develop those human relationship skills the students will need at work. Relationship situations of office and shop are simulated, enacted, discussed, and solved practically through group interaction. Understanding of self and others is sought. Career planning and techniques necessary to obtain employment are stressed.

AM AUTO MECHANICS CURRICULUM**11 Month Program**

The modern developments in our enormous automotive industry demand the employment of highly skilled mechanics and well-trained in maintenance and repair techniques. This course provides the basic background and experience necessary for employment in the automotive mechanics field and allied vocations. Credit in this course of study are not counted toward an academic degree.

Subject Course No. and Title	Fall	Credits	
		Spring	Summer
AM-101-102-103 Automotive Laboratory	10	10	7
AM-151-152-153 Automotive Theory	7	5	5
AM-262 Industrial Psychology		2	
	17	17	12

AM AUTO MECHANICS — Courses**101 - 102 - 103 Automotive Laboratory 10-10-7 Credits**

The student first studies the function and repair of components of the automobile, which is followed by the study of automotive systems through the use of mock ups including cars partially cut away for easy access. Live work will be performed on automobiles during the spring semester. Shop safety, cleanliness, and management is covered. 25 hours laboratory per week.

151 - 152 - 153 Automotive Theory 7-5-5 Credits

This course correlates with the automotive laboratory course. The theory of the design, construction, maintenance, and repair of the entire automobile and all of its components and systems are studied in detail. Necessary mathematics and science related to the automotive trade are covered. 10 hours lecture summer and fall, 8 hours lecture spring per week.

262 Industrial Psychology 2 Credits

This course is designed to develop those human relationship skills the student will need at work. Relationship situations of office and shop are simulated, enacted, discussed, and solved practically through group interaction. Understanding of self and others is sought. Career planning and techniques necessary to obtain employment are stressed.

CP COMPUTER PROGRAMMER TRAINEE CURRICULUM**9 Month Program**

This curriculum is a program of study and experience in Computer Programming. The graduate of this program of study will be eligible for employment. In such a job, the graduate works under immediate supervision and in employment as a Computer Programmer Trainee in business, industry, or government training situation, develops and writes programs in symbolic language for electronic computer processing. He or she learns to design flow charts and diagrams indicating mathematical computations and the sequence of machine operations.

Entrance Requirements: High school diploma or equivalency certificate, (to include one year of high school level mathematics), acceptable grades on the A.C.T. Test or G.A.T.B., personal interview and aptitude testing.

Course No. and Title	Fall	Credits	
		Spring	
CP 103 Fundamentals of Computer Programming	3	—	
CP 107 Computer Programming Lab	1	—	
CP 111-112 Communication Skills	3	3	
CP 123 Introduction to Data Processing	3	—	
CP 131-132 Math for Data Processing	3	3	
CP 142 Computer Programming—RPG	—	3	
CP 152 Computer Programming—COBOL	—	3	
CP 162 Computer Programming—FORTRAN IV	—	3	
CP 262 Industrial Psychology	2	—	
	15	15	

CP COMPUTER PROGRAMMING — Courses**103 Fundamentals of Computer Programming 3 credits**

This course prepares the student for the study of business programming languages. Topics covered are: number systems, computer logic, computer hardware, computer software, introduction to programming languages, data processing systems and programming applications.

107 Computer Programming Laboratory 1 credit

This course gives the student experience with some of the equipment encountered by programmers. The student will learn to operate and to wire boards for selected unit record equipment.

111-112 Communications Skills 3 credits

This course is designed to develop the students communication skill in observing, listening and reading, with emphasis on conversational speaking, clarity and brevity in letter, report and technical writing. Three clock hours per week.

123 Introduction to Data Processing 3 credits

A study of the function of data processing in the business world. The subject will be developed by applying data processing methods to such accounting functions as accounts receivable, inventory, and payroll.

131-132 Mathematics for Data Processing 3 credits

The subject matter presented in this course will be applied in computer programming and will include basic algebra, number systems, logarithms, linear equations, Boolean algebra and logic.

142 Computer Programming—RPG 3 credits

The student will write specifications for jobs which may use card, tape, or disk output files using the Report Program Generator Programming System.

152 Computer Programming—COBOL 3 credits

The student will compose complete COBOL programs working from system and program flowcharts. This will include the writing of the Identification Division, Environment Division, Data Division, and Procedure Division of COBOL.

He may use card, tape, or disk input files and may produce printed reports, punched cards, tape files, or disk files as output.

162 Computer Programming—FORTRAN IV

The student will learn to express, in FORTRAN, algebraic statements containing arithmetic functions and exponentiation, problem logic and input/output record descriptions.

262 Industrial Psychology 2 credits

This course is designed to develop those human relationship skills the student will need at work. Relationship situations of office and shop are simulated, enacted, discussed, and solved practically through group interaction. Understanding of self and others is sought. Career planning and techniques necessary to obtain employment are stressed.

DA DENTAL ASSISTANT CURRICULUM**9 Month Program**

The Dental Assisting Program consists of Dental Assistant Theory, Dental Laboratory instruction and Clinical Experience. Boise State College works with the Dental Advisory Board in planning and promoting the program and curriculum changes may be made at any time to take advantage of advances in the Dental profession.

Entrance Requirements: High School Diploma or Equivalency Certificate, acceptable grades on the G.A.T.B., personal interview and aptitude testing. The dental assistant courses are taught by dentists and a dental assistant instructor.

This is an accredited program by the Council of Dental Education and the American Dental Assistant Association. Students are eligible to take the Certification Examination upon completion of the course.

Subject Course No. and Title	Credits	
	Fall	Spring
DA-101-102 Dental Laboratory	4	3
DA-106 Dental Assisting Clinical Experience	—	3
DA-108 Dental Office Management	—	2
DA-109 Public Health and Dental Hygiene	2	—
DA-111-112 Communication Skills	3	3
DA-151-152 Dental Theory	4	3
DA-262 Industrial Psychology	—	2
SP-111 Fundamentals of Speech	3	—
PE-105 First Aid (Elective)	2	—
	18	16

DA DENTAL ASSISTING — Courses

101-102 Dental Laboratory

4-3 credits

This course consists of practical laboratory training in manipulation of dental materials, instrumentation, sterilizing and care, pouring and trimming study models, custom trays, investing and casting, use of equipment and safety, and exposing and processing dental X-rays. Taken concurrently with DA 151-152. Fourteen clock hours per fall semester. Six clock hours spring semester.

106 Dental Assisting Clinical Experience

3 credits

Supervised chairside assisting experience in the private dental offices and hospital dental clinics. Sixteen clock hours per week.

108 Dental Office Management

2 credits

The fundamentals of business practices as related to dentistry including bookkeeping, appointment control, supply control, business correspondence, as well as credit and collection procedures. Two clock hours per week.

109 Public Health and Dental Hygiene

2 credits

This course deals with phases of health in which the student can aid in conserving the general and dental health of herself, her family and the community. It is concerned with such subjects as Federal and State Health Departments, preventive dentistry, communicable disease, degenerative disease, diet and nutrition, mental health and general health information. Two clock hours per week.

111-112 Communication Skills

3 credits

This course is designed to develop five forms of communication skills: observing, listening, reading, writing and speaking. Memory and study improvement, word analysis, spelling and technical vocabulary are stressed during the first semester. Grammatical and logical forms, public and conversational speaking, business, report and technical writing are stressed during the second semester. Three clock hours per week.

151-152 Dental Theory

4-3 credits

Comprehensive introduction to basic theory relating to dental assisting. The course includes lecture time in ethics, professional relationships, patient education, dental anatomy, terminology, charting, related sciences, and dental specialty fields. Taken concurrently with DA 101-102. Seven clock hours per week fall semester, six clock hours per week spring semester.

262 Industrial Psychology

2 Credits

An analysis of human types and behavior of concern to the student and problems peculiar to dentistry; securing a position, dealing with child and adult patients, engaging in business and in service capacity, managing an office, and developing the professional image of the dental assistant. Selected problem situations are simulated, enacted, discussed and solved practically through group interaction. Two clock hours per week.

MS MACHINE SHOP CURRICULUM**11 Month Program**

The machinist's craft is basic to all of America's manufacturing industry. Machinists must interpret engineering drawings in producing machines needed by industry. Becoming a good machinist can lead to becoming tool and die makers. This course will provide the basic skills needed by the student. A large machine shop furnishes the tools and machines required. Learning and gaining experience is necessary to get started in the machinist trade. Related instruction in mathematics, science and work with blueprints is included in the course of study. Credits in this course of study are not counted toward an academic degree.

Subject Course No. and Title		Credits		
		Fall	Spring	Summer
MS - 121 - 122 - 123	Machine Shop Lab	10	10	7
MS - 151 - 152 - 153	Machine Shop Theory	7	5	5
MS - 262	Industrial Psychology		2	
		<hr/> 17	<hr/> 17	<hr/> 12

MS MACHINE SHOP — Courses**121 - 122 - 123 Machine Shop Laboratory**

10-10-7 Credits

This course includes the principles and operation of basic machine tools including lathes, milling machines, planers, shapers, drill presses, surface grinders and tool and curver grinders. Bench work, set ups, fundamental welding, heat treating, and shop safety is also taught. Development of skills in setting up and operation of machine tools is of primary importance. 25 hours laboratory per week.

151 - 152 - 153 Machine Shop Theory

7-5-5 Credits

This course is meant to teach the theoretical aspects of machining processes. Properties of materials and alloys are studied along with the use of coolants, lubricants, and cutting oils are studied. Fundamental mathematics including machine shop related geometry and trigonometry as well as scientific principles required in the machinist trade are included. Blueprint reading and sketching is also studied. 10 hours lecture summer and fall, 8 hours lecture spring per week.

262 Industrial Psychology

2 Credits

This course is designed to develop those human relationship skills the student will need at work. Relationship situations of office and shop are simulated, enacted, discussed, and solved practically through group interaction. Understanding of self and others is sought. Career planning and techniques necessary to obtain employment are stressed.

PN *PRACTICAL NURSING PROGRAM**12 Month Program**

The practical nursing program, in cooperation with three hospitals, a nursing home, the Idaho State School and Hospital and the State Board for Vocational Education, is approximately one calendar year in length and consists of daily hospital nursing experiences and classroom instruction. A diploma is awarded upon graduation from the course. Students are then eligible to take the state licensing examination, which, if passed, qualifies them as Licensed Practical Nurses.

*Conforms to the minimum standards as set up by the U.S. Dept. of Labor, Bureau of Apprenticeship.

***Admission:**

Entrance requirements: High school graduation or passing the General Educational Development Test. Satisfactory scores on the General Aptitude Test Battery and the P.A.C.E., which are given by the Department of Employment and Boise State College respectively. A complete medical and dental examination is required. The Practical Nursing Advisory Committee recommends to the director candidates for the program after a personal interview. They also recommend dismissal of students not performing in a satisfactory manner.

Classroom work includes instruction in the needs of humans in health and in sickness, with emphasis on the practical nurses' part in meeting these needs.

Clinical experience consists of supervised hospital nursing experience in caring for patients with medically and surgically treated conditions, caring for sick children, new mothers and infants. Students are taken on field trips to specific health agencies in the community.

W BASIC WELDING — CURRICULUM**9 Month Program**

The welding curriculum is designed to provide two levels of training. The first year will provide the student with useable skills and should qualify him for employment as a production welder. Some students may desire to terminate their training at this point. The second year of the program will provide advanced training in layout and a better understanding of the properties of metals as well as advanced techniques and processes that are in demand in industry. The course of study may be altered to keep abreast of new welding procedures and advancements in industry.

Freshman Year:

Course No. and Title	Credits	
	Fall	Spring
W 101-102 Welding Lab	8	8
W 111 Communication Skills	3	—
W 131-132 Related Basic Math	3	3
W 151-152 Welding Theory	2	2
W 262 Industrial Psychology	—	2
	<hr/> 16	<hr/> 15

W BASIC WELDING — Courses

Basic Welding courses are described under Vocational Two Year Programs. See page 165.

EMPLOYMENT ORIENTATION

Employment Orientation is a joint effort under the direction of the Boise Local Office of the State Department of Employment and the Vocational Technical Division of Boise State College. This program is funded through the Manpower Development and Training Act.

It is for adults and youths residing in the Boise area. The people who are referred to this program lack the basic knowledge and skills necessary for employment or referral to training for a career.

The general objective of this project is to provide the trainees communication skills and employment orientation necessary to bring them up to an educational achievement level where they may be competitive for further training or entry into current or estimated future labor markets of the area.

*Contact Director of Vocational Technical Division, Boise State College, Boise, Idaho 83707, for further information and application forms.

The course work is taught on an individual basis. Therefore, trainees may be referred into the class or achieve their goals at any time. The ultimate objective of each trainee is for stability and successful entrance into a meaningful occupation. The duration of an individual's training time is twenty weeks, but may be extended. Eight hours per day are expected to be spent in training, six hours of which are spent in formal classroom situation.

Admission requirements: must be referred by the Boise Local Office of the Department of Employment.

VOCATIONAL TRAINING CENTER

Boise State College in cooperation with the State Board for Vocational Education, Department of Employment, and the Idaho State Penitentiary is conducting a pilot Manpower Development and Training Act correctional institutional training program. Programs offered are: Chef Training, Appliance Repair, and Farm Equipment Operators.

Food preparation and service is an important phase of Chef Training as is sanitation, food buying, planning of menus, utilization of storage, and record keeping.

The Appliance Repair Course includes a study of basic electricity, servicing of each of the electric and gas appliances. Related mathematics and English provide the students with the necessary skill and knowledge to communicate with customers, employers, and the public. Salesmanship and human relations round out the training schedule.

Farm Equipment Operators are given instruction in preventative maintenance, servicing, and operation of all the equipment required to successfully do farming functions. Welding, mechanics, and over-all repair and trouble shooting is a requisite of farm operation. Knowledge of safe practices, operation, and maintenance of farm equipment is an important part of the program.

Students are given a certificate upon satisfactory completion of the program.

PRE-VOCATIONAL TRAINING

Pre-vocational education for vocational students or adults who have not completed high school is offered through the Vocational Technical Division. The courses include adult basic education, preparation for the high school equivalency certificate, adult guided studies, and approved high school courses in American Government, Mathematics, English, Social Studies and Natural Science. Classes are determined according to individual needs of the students. Classes are approved by the State of Idaho and for veterans qualifying under Chapter 34, Title 38, U.S.C. (Var 14253 A2).

A special guided studies program for adults has been developed to help upgrade skills, to help adults prepare for better jobs and to prepare for or further vocational training.

PATROLMAN (Government Service)

Under the Manpower Development Training Act this course is carried on at the Mountain Home Air Force Base. It is limited to servicemen about to be discharged. Selection of students is made by the Department of Employment.

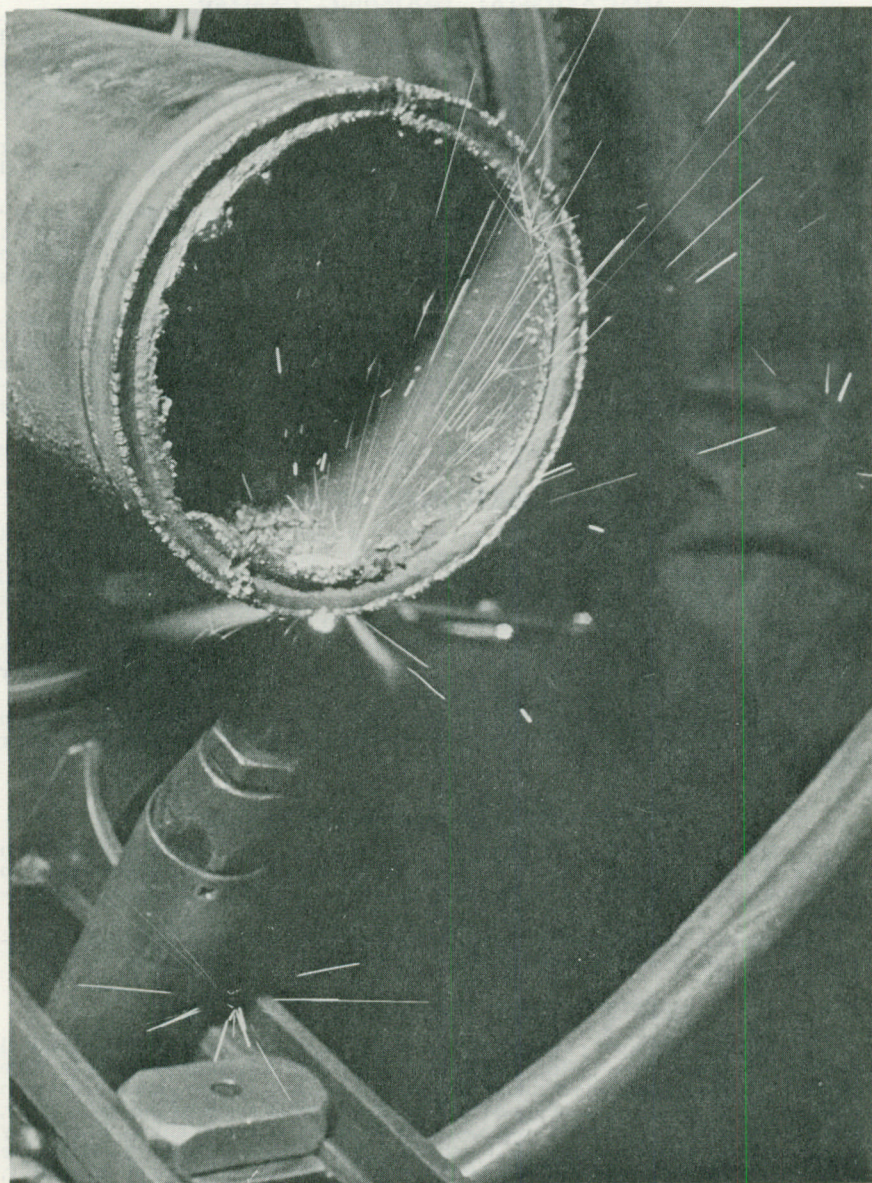
Instruction is conducted by persons trained in police work. The basic fundamentals of police duties and functions are covered by the course.

APPRENTICESHIP AND TRADE EXTENSION

Through cooperative arrangements with the State Board for Vocational Education, Boise State College Vocational Technical Division sponsors a wide range of trade extension training for beginning, apprentice and journeyman workers. Such courses are designed to meet the specific needs of industry, labor, agriculture, and government. Classes usually meet in the evening. Flexibility of scheduling, content, place of meeting is maintained in order to meet the growing educational needs of the community. Typically, though not invariably,

such courses provide related technical training for those workmen receiving on-the-job instruction in such vocations as Sheetmetal, Carpentry, Plumbing, Welding, Electricity, Electronics, Typing, Grocery Checking, Automotives, Nursing and Farming.

Information concerning admission requirements, costs, dates, etc., may be obtained from Boise State College Division of Vocational-Technical Education.



BOISE STATE COLLEGE

FULL-TIME FACULTY

- (The date in parentheses is the time of first appointment)
- ROGER H. ALLEN, Assistant Professor of Business Administration (1966)
A.A., Boise Junior College; B.S., University of Nevada; M.B.A.
Northwestern University.
- THELMA F. ALLISON, Associate Professor of Home Economics (1946)
B.S., (H.Ec.), Utah State Agricultural College; University of
Utah, Brigham Young University; M.S. (H.Ec.Ed.), Utah State
Agricultural College; Carbon College; Oregon State University;
Arizona State University.
- PHOEBE L. ARMSTRONG, Assistant Professor of History (1966)
B.S., M.S., Drake University.
- JANE L. ATKINS, Assistant Professor of Physical Education (1967)
B.S., (M.H.P.E.R.) North Texas State University; University of
Idaho.
- WILLIAM A. BABCOCK, Instructor in History (1967)
B.A., M.A., University of Oregon.
- STEVEN F. BAGGERLY, Instructor in Machine Shop (1968)
Diploma, Boise Junior College.
- CHARLES BAKER, Assistant Professor of Biology (1968)
B.S., M.S., University of Nevada; Ph.D., Oregon State University.
- RICHARD BANKS, Assistant Professor of Chemistry (1968)
B.S., College of Idaho; Ph.D., Oregon State University.
- K. ANN BARNES, Educational Media Librarian (1969)
A.S., Weber State College; B.A., Brigham Young University;
M.L.S., University of Washington.
- JOHN B. BARNES, Professor of Education, *President* (1967)
B.A., M.A., University of Denver; Ed.D., University of Wyoming.
- GWYNN BARRETT, Associate Professor of History (1968)
B.S., Utah State University; M.A., University of Hawaii; Ph.D.,
Brigham Young University.
- WYLLA BARNES, Assistant professor of Psychology (1968)
A.B., William Jewell College; M.S., Montana State University;
Ph.D., University of Minnesota.
- JOHN A. BECKWITH, Associate Professor of English (1965)
B.A., Gooding College; M.A., University of Idaho; University of
California at Los Angeles, American Institute of Gemology at
Los Angeles.
- H. WILLIAM BELKNAP, Assistant Professor of Biology (1959)
B.A., College of Idaho; M.S., Louisiana State University; Ari-
zona State University; University of Oregon.
- HERBERT K. BELL, JR., Assistant Professor of Accounting (1970)
J.D. University of Louisville, MBA, U.S. Air Force Institute of
Technology; C.P.A.
- JOHN H. BEST, Associate Professor of Music (1947)
B.S., University of Idaho; M.A., Colorado State College of
Education; Cello Pupil of Elias Trustman and Joseph Wezels;
Composition and Theory pupil of J. DeForest Cline and Henry
Trustman Ginsburg.
- CAROL JEAN BETTIS, Instructor, Assistant Reference Librarian (1970)
B.S. A.M.L.S., University of Michigan.
- JOHN PATRICK BIETER, Assistant Professor of Teacher Education
and Library Science (1969)
B.A., St. Thomas College; M.A., University of California at
Berkeley; Ed.D., University of Idaho.

- V. DALE BLICKENSTAFF, Professor of Accounting
Chairman, Department of Accounting (1967)
B.S., McPherson College; M.S., Fort Hays State College; Ed.D.,
Colorado State College; Oklahoma State University.
- DALE BOYER, Assistant Professor of English..... (1968)
B.A., M.A., University of Oregon; University of Missouri.
- BILL C. BOWMAN, Associate Professor of Physical Education..... (1969)
B.A., Southern Idaho College of Education; M.Ed., University of
Oregon; Ed.D., Brigham Young University.
- JEAN BOYLES, Assistant Professor of Physical Education (1949-57; 1962; 1969)
A.B., University of California; M.S., University of Colorado.
- C. GRIFFITH BRATT, Professor of Music, *Composer-Artist-in-Residence*... (1946)
Artist's Diploma in Organ, Mus.M., Harmony Teacher's Certifi-
cate, Church Organist's Certificate, Peabody Conservatory of
Music, Baltimore, M.D.; Johns Hopkins University; University of
Baltimore; University of Utah; A.A.G.O.
- SUSAN I. BRENDER, III, Assistant Professor of Office Administration... (1969)
B.S.C., M.A., University of Iowa.
- RAYMOND A. BROWN, Athletics Administrative Assistant
and Business Manager..... (1970)
- JAMES R. BUCHANAN, Assistant Professor of Welding..... (1959)
Heli-arc School of Welding for Bechtel Corporation, San Fran-
cisco; Heli-arc School, Atomic Energy Commission, Arco, Idaho,
and Paducah, Kentucky; Vocational Education, National Defense,
Boise; Boise Junior College; Idaho State College.
- RICHARD E. BULLINGTON, Professor of Education
Executive Vice President (1968)
B.S., Rutgers; M.A., Ed.D., University of Alabama.
- ORVIS C. BURMASTER, Instructor in English..... (1968)
B.S., Montana State College; M.A., University of Montana; South
Dakota State College, Utah State College.
- AILEEN BURNS, Instructor in English..... (1967)
B.S., M.A., Brigham Young University.
- CLARA P. BURTCHE, Assistant Professor of Teacher Education
and Library Science..... (1969)
B.A., M.A., College of Idaho.
- C. RANDALL BYERS, Instructor in General Business..... (1969)
B.S., M.S., University of Idaho.
- ERMA M. CALLIES, Vocational Counselor..... (1969)
B.S., South Dakota University.
- LOIS JEAN CAREY, Instructor in Nursing..... (1969)
B.S., Columbia University.
- WILLIAM J. CARSON, Associate Professor of Accounting..... (1963)
B.S., University of Notre Dame; M.B.A., University of Denver;
University of Wyoming.
- JOHN A. CAYLOR, Professor of History..... (1965)
A.B., Nebraska Teacher's College; M.A., Ph.D., University of
Nebraska.
- WILLA M. CHAFFEE, Instructor in Practical Nurses Training..... (1967)
R.N., St. Lukes Hospital; University of Colorado.
- LUANNE CHANDLER, Assistant Professor of Office Administration..... (1964)
B.A., San Jose State College; M.Ed., Montana State University;
University of Nevada; University of Idaho.

- ACEL H. CHATBURN, Professor of Education (1944)
 B.A., College of Idaho; University of Idaho; M.A., University of Colorado; Ed.D., Washington State University; University of California at Berkeley.
- WAYNE CHATTERTON, Professor of English (1968)
 B.S., M.A., Brigham Young University; Ph.D., University of Utah.
- MARVIN CLARK, Associate Professor of Business Education (1969)
Chairman, Department of Business Education
 B.S., St. Cloud State College; M.A., Ph.D., University of Minnesota.
- MARGARET COCOTIS, Assistant Professor of English (1968)
 B.S., Portland State College; M.A.H.S., Reed College; Oregon State College.
- DEWEY H. COFIELD, Assistant Professor of Electronics (1961)
 University of Idaho; Idaho State College.
- WILBUR COLLINS, Purchasing Officer (1969)
- DORAN L. CONNOR, Assistant Professor of Physical Education (1966)
 B.A., Idaho State University; M.S., Utah State University.
- GENE COOPER, Professor of Physical Education (1967)
Chairman, Department of Physical Education
 B.S., M.S., D.Ed., University of Utah.
- DELBERT F. CORBETT, Assistant Professor of Communication Arts (1969)
 B.A., M.F.A., University of Portland.
- A. ROBERT CORBIN, Instructor in Sociology (1967)
 B.A., Blackburn College; M.A., University of Washington; Th.M., Iliff School of Theology.
- ROBERT C. CORNWELL, Associate Professor of Business Education (1969)
 B.A., Wartburg College; M.A., Colorado State University; Ed.D., Arizona State University.
- T. VIRGINIA COX, Instructor in Anthropology (1967)
 B.A., San Diego State College; M.A., University of California at Davis.
- DAVID E. CRANE, Library Cataloger (1969)
 B.A., San Francisco State College; M.A., San Jose State College.
- MARY CROWSON, Instructor in Nursing (1966)
 B.S.N., University of Utah.
- MARTHA CRUMPACKER, Instructor in Office Administration (1969)
 B.A., Boise State College.
- BILL DARRELL CURTIS, Instructor in Auto Body (1967)
 Diploma, Boise Junior College.
- CHRISTOPHER DAFLUCAS, Assistant Professor of Management (1968)
 Director, Center for Business and Economic Development; B.B.A., M.B.A., University of Cincinnati; Ohio State University, Miami University.
- NORMAN F. DAHM, Professor of Engineering (1953)
 B.S., M.Ed., University of Colorado; Agricultural and Mechanical College of Texas; University of Washington; Bucknell University.
- JACK L. DALTON, Associate Professor of Chemistry (1958)
Chairman, Department of Chemistry
 B.S., Nebraska State Teachers College; M.S., Kansas State University of Agriculture and Applied Science; Kansas State College.

- A. JERRY DAVIS, Admissions Counselor (1968)
B.A., Drake University; B.Th., Northwest Christian College.
- ANNE N. DE LAURIER, Counselor (1967)
B.A., College of Idaho; M.S., University of Oregon.
- ROBERT DENUEFVILLE, Associate Professor of Foreign Languages (1940)
B.A., M.A., New College, Oxford; Dr. Jr., Marburg University;
Geneva University; Berlin University; Columbia University;
Middleburg College.
- WILLIAM B. EASTLAKE, Assistant Professor of Economics (1969)
H.A.B., Xavier University; Ohio State University.
- PATRICIA M. DORMAN, Assistant Professor of Sociology (1967)
B.S., M.S., University of Utah.
- WILBER D. ELLIOTT, Associate Professor of Music (1969)
B.A., University of Washington; M.E., Central Washington
State College.
- J. CALVIN EMERSON, Associate Professor of Chemistry (1933-40; 1960)
A. B., Northwest Nazarene College; B.S., College of Idaho; M.S.
University of Idaho; University of Washington; Oregon State
University.
- EVELYN EVERTS, Assistant Professor, Reference Librarian (1957)
B.A. in Librarianship, University of Washington; B.S. (Zoology)
University of Washington; Washington State University.
- MARJORIE E. FAIRCHILD, Assistant Professor of Library Science (1966)
A.B. University of California; M.A. in Librarianship, University
of Southern California; M.A., Library Science, University of
California at Berkeley.
- HELEN FLAHERTY, Instructor in Licensed Practical Nursing (1968)
B.S.N., University of Portland College of Nursing.
- NANCY L. FLEMING, Instructor in Nursing (1963)
B.S.N., University of Nebraska College of Medicine.
- MILTON B. FLESHMAN, Assistant Professor of Auto Mechanics (1959)
Idaho State College; Carter Carburetion Course; Delco-Remy
Auto Electric Class; Allen Tune-up Equipment; Boise Junior
College; Briggs & Stratton Factory Service School, Portland,
Oregon; United Motors Service Courses.
- CAROL E. FOUNTAIN, Instructor in Nursing (1967)
A.S., Boise Junior College; B.S.N., University of Washington.
- DARCY F. FREDERICK, Assistant Professor of Mathematics (1966)
B.S., Portland State College; M.S., Oregon State University.
- HARRY K. FRITCHMAN, II, Professor of Zoology, Chairman, Dept.
of Biology (1954)
A.A., Boise Junior College; B.A., M.A., Ph.D., University of
California at Berkeley.
- ALBERT M. FUEHRER, Instructor in Auto Mechanics (1965)
Northwest Nazarene College; Idaho State University; Specialized
Automotive Training.
- EUGENE G. FULLER, Assistant Professor of Zoology (1967)
B.S., M.S., University of Nevada; Ph.D., Oregon State University.
- WILLIAM Y. FUNG, Associate Professor of Philosophy (1961)
A.B., Lingnan University, Canton, China; M.A., University of
Southern California; Union Theological Seminary, New York
City; Ph.D., New York University.
- ROBERT S. GIBB, *Administrative Assistant to the President* (1969)
A.B., Nebraska Wesleyan University; M.Ed., University of Idaho.

- RALPH J. GINES, Assistant Professor of Accounting (1967)
B.S., Brigham Young University; L.L.B., George Washington University. C.P.A.
- C. WALLACE GOULD, Associate Professor of History, Political Science (1966)
B. Mus., M. Mus., Oberlin College; Ph.D., Northwestern University; Interamerican University, Mexico.
- FRANCES P. GUZIE, Assistant Professor of Social Science (1969)
B.A., University of Minnesota; M.S.W., School of Social Work.
- CLAYTON W. HAHN, Associate Professor of Engineering (1948-52, 1963)
B.S. (M.E.), University of Colorado; University of Montana; Montana State College; University of California at Los Angeles; University of Southern California; University of Nebraska.
- MARK HANSEN, Instructor in English (1969)
B.A., M.A., San Francisco State College.
- ARDEN E. HARRIS, Instructor in Office Machine Repair (1965)
Special Training in Office Machine Repair.
- MARY ALICE HART, Instructor in English (1969)
B.S., M.A., Utah State University.
- RICHARD HART, Assistant Professor of Economics (1969)
B.S., M.S., Utah State University, Kansas State University.
- ALICE H. HATTON, *Registrar* (1959)
B.A., University of Washington; Colorado State College; College of Puget Sound.
- JOHN P. HAYDON, Instructor in Vocational-Technical Education (1969)
- DELBERT D. HEACOCK, Assistant Professor of Psychology (1966)
B.A., College of Idaho; M.S., University of Utah.
- WILLIAM W. HENDRY, Professor of Teacher Education (1969)
Dean of Student Personnel Services
B.A., Alma College; M.A., University of Michigan; Ed.D., Arizona State University.
- ROBERT A. HIBBS, Associate Professor of Chemistry (1965)
B.S., M.S., University of Florida; Ph.D., Washington State University.
- K. LYLE HILL, Instructor in Teacher Education (1968)
B.S., Illinois State University; M.A., College of Idaho; Oregon State University.
- PAULINE H. HINMAN, *Director of Placement Services* (1967)
B.A., University of Idaho.
- KENNETH HOLLENBAUGH, Assistant Professor of Geology (1968)
B.S., Bowling Green State University; M.S., Ph.D., University of Idaho.
- THEODORE HOPFENBECK, Assistant Professor of Criminology (1967)
B.S., M.Ed., University of Arizona; San Diego State College.
- HOWARD L. HUFF, Instructor in Art (1965)
Diploma, Boise Junior College; B.A., College of Idaho; M.F.A., University of Idaho.
- ELMER E. HUNT, JR., Associate Professor of Mathematics (1959)
B.A., M.Ed., Washington State University, Oregon State University; University of Georgia; Oklahoma State University.
- DARRYL HUSKEY, Instructor, Serials and Documents Librarian (1968)
B.S., Brigham Young University; M. L., Kansas State Teachers College.
- MARJORIE JACKSON, Professor of Teacher Education, *Dean of Women* (1969)
B.A., M.A., University of California at Berkeley; M.A., University of Denver; Ed.D., Columbia University.

- ROBERT L. JACOBSEN, Assistant Professor of Mathematics (1970)
B.A., Carleton College; M.A., Ph.D., Cornell University.
- JOHN H. JENSEN, Assistant Professor of Teacher Education
and Library Science (1969)
B.A. Western Michigan University; M.S., Ph.D., University of Oregon.
- HELEN R. JOHNSON, Associate Professor of Office Administration (1955)
B.A., Northwest Nazarene College; University of Idaho; Oregon State University; University of Washington; M.A. College of Idaho; University of California at Berkeley; Arizona State University.
- WILLIAM A. JONES, Instructor in Physical Education (1965)
B.A., Boise College.
- THEODORE F. KEITH, Internal Auditor (1966)
B.S., University of Idaho., C.P.A.
- FRANCIS E. KELLER, Associate Professor of Engineering (1967)
B.S., Seattle University; M.S., University of Idaho; Ph.D., Montana State University.
- MARY LOUISE KELLER, Assistant Professor of Nursing (1959)
B.S.N., Northwest Nazarene College; University of Washington; University of California at Los Angeles.
- DORIS KELLY, Assistant Professor of Nursing (1958)
Diploma Cook County School of Nursing; B.A., University of Denver; M.N., University of Washington.
- FENTON C. KELLEY, Assistant Professor of Zoology (1969)
B.A., M.S., University of New Mexico; Ph.D., University of California at Berkeley.
- CHARLES R. KERR, Assistant Professor of Mathematics (1969)
B.A., Washington State University; M.A., Ph.D., University of British Columbia.
- WILLIAM F. KIRTLAND, Associate Professor of Teacher Education
and Library Science (1969)
Director of Reading Education Center; B.S., M.A., Bemidji State College; Ed.D., Arizona State University.
- ANTHONY J. KNAP, *Head Football Coach* (1968)
B.S., M.S., University of Idaho; San Francisco State College; Marquette University, Milwaukee; University of California at Berkeley.
- LEO L. KNOWLTON, Associate Professor of Marketing (1965)
B.S., M.S., University of Idaho; University of Oregon.
- ALFRED KOBER, Instructor in Art (1968)
B.S., M.S., Fort Hayes Kansas State College.
- RONALD KREMPETZ, Instructor in Drama (1968)
B.S., M.A., San Jose State College; College of San Mateo.
- NOEL KRIGBAUM, Assistant Professor of Vocational-Technical Education (1955)
Electricians School, Navy; Idaho State University; Boise Junior College.
- ELLIS LAMBORN, Professor of Economics, Chairman, Dept. of Economics (1968)
B.S., Utah State University; M.S., University of Illinois; Ph.D., Cornell University; University of California.
- RICHARD C. LANE, Assistant Professor of General Business (1969)
B.S., M.S., Kansas State College; Ph.D., University of Missouri.
- L. WARDELL LARSON, Assistant Professor of Psychology (1967)
B.A., Washington State University; M.A., Colorado State College.

- WILLIAM C. LARUE, Instructor in Vocational-Technical Education (1969)
 DOROTHY LEE, Associate Professor of Office Administration (1953)
 B.S. (Ed.), University of Nebraska; M.A., College of Idaho;
 State University College at Plattsburg, New York; University
 of Idaho; University of Denver.
- JUDITH LEMMON, Instructor in Vocational-Technical Education (1969)
 B.S., University of Idaho.
- RAY LEWIS, Assistant Professor of Physical Education (1956)
 B.S. (Ed.), M.Ed., University of Idaho.
- HUGH T. LOVIN, Professor of History, Chairman, Dept. of History (1965)
 B.A., Idaho State College; M.A., Washington State University;
 Ph.D., University of Washington.
- ROBERT LUKE, Assistant Professor of Physics (1968)
 Diploma, Ricks College; B.S., M.S., Ph.D., Utah State University.
- REGINA LUNDERGAN, Instructor in English (1968)
 B.S., Southern Oregon College; M.A., University of Oregon.
- RUTH MCBIRNEY, Associate Professor, Head Librarian (1940-42 1953)
 Boise Junior College; A.B., Whitman College; B.A. in Librarian-
 ship, University of Washington; Columbia University; University
 of London, University of California at Berkeley; Rutgers Uni-
 versity.
- LINDA L. MCCracken, Instructor in English (1969)
 A.A., Boise State College; B.A., Idaho State University; M.A.,
 University of Idaho.
- ANGUS McDONALD, Associate Professor of Teacher Education (1968)
 B.A., College of Idaho; M.A., Colorado State University; Ed.D.,
 University of Maryland; Stanford University; Claremont Grad-
 uate School; University of Idaho Graduate School.
- ROBERT L. McDOWELL, Instructor, Technical Services Librarian (1968)
 B.G.E., Omaha University; M.A., University of the Americas,
 Mexico (D.F.), M.A. in Librarianship, San Jose State College;
 University of Alabama; University of Maryland.
- SHERRY MCGUIRE, Instructor in English (1967)
 B.A., University of Idaho; M.A., Washington State University.
- JEAN MACINNIS, Instructor in Dental Assisting (1962)
 C.D.A., University of North Carolina; Boise Junior College;
 Idaho State University.
- JOHN MACMILLAN, *Director, News Bureau* (1967)
 B.A., University of Washington; Syracuse University.
- STEPHEN E. MALONEY, Director, Center for Data Processing (1966)
 B.S., College of Idaho; Boise Junior College; Idaho State Uni-
 versity.
- GILES MALOOF, Professor of Mathematics,
 Chairman, Department of Mathematics (1968)
 B.A., University of California; M.A., University of Oregon;
 Ph.D., Oregon State University; San Bernardino Valley Junior
 College.
- ADELAIDE ANDERSON MARSHALL, Assistant Professor of Music (1939-48, 1966)
 B.M., M.M., Chicago Musical College.
- CONSTANCE MATSON, Instructor in Nursing (1968)
 B.S., University of Oregon.
- EMERSON MAXSON, Instructor in Data Processing (1968)
 A.S., Boise Junior College; B.S.; M.A., University of Colorado,
 University of Colorado.
- HERBERT O. MENGEL, Director of Buildings and Grounds (1966)
 B.S., Pennsylvania State University.

- CARROLL J. MEYER, Associate Professor Music (1948)
B.M., University of Michigan; Pupil of Ethel Leginska and Cecile de Horvath; M.A., University of Iowa; Elkader Junior College.
- FLORENCE M. MILES, Professor of Nursing (1955)
Chairman, Department of Registered Nursing
Diploma, School of Nursing, St. Luke's Hospital; B.S.N.E., M.N., University of Washington; University of California at Los Angeles; Lewis-Clark Normal School.
- DOUGLAS S. MILLARD, Instructor in Office Machine Repair (1966)
Special Training and schools in office machine operation and repair.
- BEVERLY MILLER, Assistant Professor, Circulation Librarian (1968)
B.A., Theil College, Greenville, Pa.; M.A. in Librarianship, University of Denver.
- GILBERT McDONALD MILLER, Director, Area Vocational-Technical School (1969)
- ROBERT T. MILLER, Associate Professor of Business Administration (1963)
B.S., University of Oregon; LL.B., Columbia University; University of Idaho.
- B. RAY MOORE, Instructor, Lab Assistant, Technician in Biology (1968)
B.S., West Texas State University; Odessa College, Amarillo College.
- JAMES M. "Dyke" NALLY, Director of Student Union Building (1969)
B.A., Boise State College.
- GERALD E. NELSON, Associate Registrar (1969)
B.S., M.Ed., Montana State University.
- GARY R. NEWBY, Assistant Professor of Physics, Chairman,
Department of Physics, Engineering and Physical Science (1966)
B.S., Ph.D., Arizona State University.
- DAVID E. NICKEL, Assistant Football Coach (1968)
A.A., College of San Mateo; B.S., Utah State University; University of California at Berkeley.
- ROSS S. NICKERSON, Instructor in English (1969)
B.A., Boise State College; M.A., University of Utah.
- CLAYTON R. NICHOLS, Assistant Professor of Geology (1970)
B.S., M.S., University of Oklahoma.
- DONALD OAKES, Assistant Professor of Music (1966)
B.M., M.M., Northwestern University; University of Oregon.
- DONALD J. OBEE, Professor of Botany, *Chairman,*
Division of Science and Health (1946)
B.A., M.A., Ph.D., University of Kansas; Oregon State University; University of Oregon School of Marine Biology; Arizona State University; University of North Carolina.
- JOHN T. OGDEN, Instructor in Welding (1965)
Diploma, Boise Junior College; Navy Training School; Special Training and Experience in Welding.
- DAVID L. ORAVEZ, Assistant Professor of Art (1964)
B.S., M.S., M.F.A., University of Wisconsin; Summer School of Painting at Satutuck, Michigan.
- MELVIN L. OTT, Instructor in Mathematics (1967)
B.S., Eastern Oregon College; M.S., Utah State University.
- PATRICIA K. OURADA, Associate Professor of History (1962)
B.A., College of Saint Catherine; M.A., University of Colorado; University of Laval; University of Michigan.
- NELDON D. OYLER, Instructor in Horticulture (1966)
A.S., Snow College; B.S., Brigham Young University.

- HERBERT D. PAPENFUSS, Assistant Professor of Botany (1967)
B.S., University of Utah; M.S., Brigham Young University;
Ph.D., Colorado State University.
- RICHARD D. PAYNE, Assistant Professor of Economics (1970)
B.A., Utah State University; M.A., University of Southern
California.
- LOUIS A. PECK, Associate Professor of Art, Chairman, Dept. of Art (1955)
B.A., College of Idaho; University of California, Santa Barbara;
M.S., Utah State University, Rex Brandt School of Art; Univer-
sity of Idaho.
- MARGARET PEEK, Assistant Professor of English (1969)
B.A., University of Alaska; M.A., Ph.D., University of Nebraska.
- AVERY F. PETERSON, Assistant Professor of Political Science (1965)
B.F.S., Georgetown University; Graduate, National War College;
University of Idaho; American Foreign Service Career and
Deputy Assistant Secretary of State; University of British
Columbia.
- ELLIS RAY PETERSON, Associate Professor of Chemistry (1964)
B.S., M.S., Utah State University; Ph.D., Washington State
University.
- CHARLES PHILLIPS, Professor of General Business, Chairman,
Department of General Business (1969)
A.B., De Pauw University; M.A., Ph.D. University of Iowa.
- GORDON G. PHILLIPS, *Business Manager* (1964)
A.A., Boise Junior College; B.S., University of Colorado.
- JOHN L. PHILLIPS, JR., Professor of Psychology,
Chairman, Department of Psychology (1954)
B.A., M.A., Reed College; Ph.D., University of Utah; University
of Idaho; Beloit College; University of Washington; University
of California.
- C. HARVEY PITMAN, Assistant Professor of English, Debate (1966)
B.A., College of Idaho; M.Ed., Washington State University.
- ANTHONY POLYCHRONIS, JR., *Assistant Football Coach* (1969)
B.S., M.S., University of Utah.
- PALMER PUTNAM, Project Coordinator (1969)
B.Arch.E., Washington State University.
- VERNON E. QUALMAN, Instructor in Vocational-Technical Education ... (1969)
- DAVID W. RAYBORN, Assistant Professor of Communication Arts (1969)
B.A., Idaho State University; M.S., Southern Illinois University.
- F. RICHARD REED, *Director of Financial Aids* (1968)
Idaho State College; University of California at Los Angeles.
- GERALD R. REED, *Director of Special Projects* (1967)
B.S., University of Wyoming; M.Ed., University of Idaho; Ed.D.,
Washington State University.
- SAMUEL B. RIGHTER, *Director of High School and College Relations* ... (1965)
B.S., University of Oregon; M.Ed., University of Portland.
- ELAINE ROCKNE, Instructor in Medical Records Technology (1968)
B.A., College of St. Scholastica, Duluth, Minn.
- PATRICIA E. ROBERTUS, Instructor in Communication Arts (1969)
B.A., University of Minnesota; M.S., University of Illinois.
- KATHARINE B. RODRIGUEZ, Instructor in Foreign Languages (1970)
B.A., Duke University; M.A., University of Wisconsin.

- ENID RUNFT, Assistant Professor of English (1966)
B.A., Sioux Falls College; M.A., University of Chicago; University of Idaho.
- HERBERT W. RUNNER, *Assistant to the Executive Vice President* (1967)
B.A., University of Redlands; M.S., University of North Dakota.
- JAMES RUSSELL, Instructor in Art (1969)
A.B., San Diego State College; M.A., M.F.A., University of Iowa.
- MURRAY SATTERFIELD, Instructor in Physical Education and Basketball Coach (1965)
B.S., University of Utah.
- MARTIN SCHEFFER, Assistant Professor of Social Sciences (1969)
A.A., Diabole Valley College; B.S., M.S., University of Oregon.
- J. ROY SCHWARTZ, Professor of English, Acting Chairman, Department of English (1940)
B.S., M.A., University of Oregon; University of Utah; independent study in England.
- DUSTON R. SCUDDER, Associate Professor of Marketing (1964)
B.S., B.A., M.A., University of Denver; University of Colorado; Colorado State University.
- GLENN E. SELANDER, Assistant Professor of English (1966)
B.S., Southwestern University; M.A., Utah State University.
- JOHN E. SEVERANCE, Instructor in Computer Programming (1967)
B.S., University of Idaho; M.S., University of Arizona.
- JOHN H. SEWARD, Assistant Professor of History (1967)
B.A., Morningside College; M.A., Moorhead State College, Minnesota; North Dakota State University; Midwestern University Texas.
- WILLIAM E. SHANKWEILER, Professor of Speech, *Chairman Division of Arts and Letters* (1956)
B.F.A., M.F.A., Goodman Memorial Theater; Ph.D., University of Denver.
- MELVIN L. SHELTON, Assistant Professor of Music (1968)
B.M., Wichita State University; Boise College; M.M., University of Idaho.
- HARRY SHIMADA, *Director of Student Activities and Alumni Association* (1969)
B.A., Idaho State University.
- BETTY P. SHOWMAKER, *Coordinator of Adult Basic Education* (1968)
B.S., Lindenwood College for Women; M.S., University of Idaho.
- WILLIAM R. SICKLES, Associate Professor of Psychology (1968)
B.A., Wittenberg University; M.A., Columbia University; Ph.D., University of California at Berkeley.
- DONALD J. SIEBER, Instructor in Electronics (1962)
U.S. Army Signal Corps; Burroughs Corporation; Montronics; Philco Corporation.
- ARNY R. SKOV, Instructor in Art (1967)
A.A., Boise Junior College; B.A., M.F.A., University of Idaho.
- FRANK H. SMARTT, Assistant Professor of Mathematics (1958)
B.A., M.A., Colorado State College.
- JOHN P. SMEAD, Assistant Professor of Speech (1966)
B.A., M.A., University of Michigan.

- DONALD D. SMITH, Professor of Psychology (1967)
A.B., Nebraska State Teachers College; M.Ed., Whittier College;
M.Ed., Ed.D., University of Southern California.
- LYLE SMITH, Professor of Physical Education, *Director of Athletics* (1946)
B.S. (Ed.), M.S. (Ed.), University of Idaho; San Diego State
College.
- JOSEPH B. SPULNIK, Professor of Chemistry,
Dean, School of Arts and Sciences (1941)
B.S., M.S., Ph.D., Oregon State University; Reed College, Port-
land State College.
- GEORGE W. SQUIRES, *Assistant Football Coach* (1970)
B.A., University of Wyoming.
- GEORGIA V. STANDING, Assistant Professor of Music (1963)
B.F.A., M.F.A., University of Utah; Curtis Institute of Music,
Philadelphia; Private Study in Europe; Soloist with various
national operas and symphonies.
- FRANK W. STARK, Associate Professor of Chemistry and
Physical Science (1957-62, 1967)
B.S., M.S., Trinity College, University of Denver.
- ROBERT B. SYLVESTER, Assistant Professor of History (1963)
A.A., Boise Junior College, B.A. M.A., University of California
at Santa Barbara.
- YOZO TAKEDA, Assistant Professor of Mathematics (1969)
B.S., University of Michigan; M.A., University of Missouri.
- JOHN S. TAKEHARA, Assistant Professor of Art (1968)
B.A., Walla Walla College; M.A., Los Angeles State College.
- ALBERT H. TENNYSON, Instructor in Vocational-Technical
Related Subjects (1966)
B.A., College of Idaho; M.A., University of Idaho.
- NAN M. THOMASON, Instructor in Nursing (1967)
R.N., St. Luke's Hospital; B.S., Montana State University.
- CARL W. TIPTON, Assistant Professor of Management (1965)
Iowa Wesleyan College; University of Washington; George
Washington University; M.B.A., University of Chicago; Uni-
versity of Idaho; College of William and Mary.
- JAMES W. TOMPKINS, Assistant Professor of Vocational-Technical
Related Subjects (1963)
A.B., Wheaton College; B.D., Th.B., Westminster Theological
Seminary; University of Pennsylvania; Harvard University.
- DAVID P. TORBET, Professor of Psychology, *Director of Counseling
Guidance and Testing Center* (1966)
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University of Colorado.
- WARREN TOZER, Instructor in History (1969)
B.A., M.A., Washington State University.
- SHEILA REIHING TRUBY, Instructor in Nursing (1968)
B.S., State University College of Education.
- LLOYD D. TUCKER, Assistant Professor of Mathematics,
Chairman of Honors Program (1969)
B.A., M.S., Southern Illinois University; Ph.D., University of
Oregon.

-
- RONALD R. TURNER, Chief Accountant. (1968)
B.C.S., Seattle University, C.P.A.
- G. W. UNDERKOFER, Associate Professor of Accounting. (1952)
B.A., Nebraska Wesleyan University; University of Chicago;
University of California, Los Angeles; University of Southern
California; San Jose State College; Brigham Young University.
- LUIS J. VALVERDE, Associate Professor of Foreign Language. (1965)
B.A., Mankato State College; B.S., Southern Illinois University;
M.A., University of Illinois; Ed.D., University of California at
Los Angeles, University of Michigan; University of Washington;
University of Texas; University of Indiana.
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B.S., University of Oregon.
- WAYNE VAN LIEW, Associate Professor of Drafting-Design. (1961)
B.S., M.S., Oklahoma State University; University of Tulsa;
Idaho State College; University of Illinois; University of Arkan-
sas; South Dakota School of Mines and Technology.
- WARREN VINZ, Assistant Professor of History. (1968)
Lincoln College; B.A., Sioux Falls College, B.D., S.D. Berkeley
Baptist Divinity; M.A., Ph.D., University of Utah.
- JAMES B. WAGSTAFF, Assistant Football Coach. (1969)
B.A., Idaho State University; M.S., Utah State University.
- EUNICE WALLACE, Associate Professor of English. (1968)
B.A., College of Idaho; Ed.M., Ph.D., Oregon State University;
University of California; American University; Idaho State Uni-
versity.
- GERALD WALLACE, Professor of Education, *Dean, School of Education*. (1968)
B.A., College of Idaho; M.A., University of California; Ed.D.,
University of Oregon; Whitman College; Colorado State College;
Oxford University.
- FREDERICK R. WARD, Assistant Professor of Mathematics. (1969)
B.S., William and Mary; M.S., University of Colorado; Ph.D.,
Virginia Polytechnic Institute.
- MONT M. WARNER, Associate Professor of Geology. (1967)
A.B., M.A., Brigham Young University; Ph.D., State University
of Iowa; University of Utah; Cambridge University.
- JOHN E. WARWICK, Associate Professor of Speech. (1963)
B.E.(Ed.), Quincy College, Illinois; M.F.A., Catholic University
of America.
- TARMO WATIA, Instructor in Art. (1969)
B.S., M.F.A., University of Michigan.
- ROBERT D. WATTS, *Director of Printing and Graphic Services*. (1964)
B.A., Boise State College.
- LOUISE WEITMAN, Instructor in English. (1969)
A.B., Northwest Nazarene College; M.A., University of Wash-
ington.
- PHILLIP J. WEST, *Personnel Director*. (1969)
- E. ALLEN WESTON, Associate Professor of Drafting-Design. (1964)
B.F.A., University of Arizona; Jefferson Machamer School of
Art; Art Center School; USA Engineering Drafting School, Col-
lege of Idaho.
- WAYNE E. WHITE, Associate Professor of Business Administration. (1965)
A.A., Eastern Arizona Junior College; B.S., M.A., Arizona State
University; University of Arizona.

- THOMAS W. WILBANKS, Assistant Professor of English..... (1969)
B.A., Trinity University; Th.B., Princeton Theological Seminary.
- IRENE A. WILCOX, Assistant Professor of Social Work..... (1966)
B.A., University of Utah; Howard University; M.S.W., Washington University, St. Louis, Missouri.
- EDWIN E. WILKINSON, Assistant Professor of Psychology, *Dean of Men* (1968)
B.A., Whitworth College; M.S., Washington State University; University of Oregon; University of Akron.
- MARJORIE WILLIAMSON, Assistant Professor of Office Administration.. (1967)
B.S. (Ed.), University of Kansas; M.B. (Ed.), University of Idaho.
- DARRELL C. WILSON, Associate Professor of Political Science..... (1967)
B.S., Lewis and Clark College; M.A., Ph.D., University of Oregon.
- MONTE D. WILSON, Instructor in Geology..... (1969)
B.S., Brigham Young University; M.N.S., University of Idaho.
- PETER KLEIN WILSON, Associate Professor of Business Administration (1966)
B.A., University of Illinois; J.D., Northwestern University.
- ELLA MAE WINANS, Associate Professor of Mathematics..... (1958)
B.S., University of Oregon; M.S., New York University; Idaho State University.
- JAMES R. WOLFE, Assistant Professor of Business Administration,
Director, Extended Day and Summer Sessions..... (1960)
B.S., M.B.A., Indiana University; University of California at Berkeley, Idaho State College; Stanford University; Michigan State University.
- JOHN G. WOODWORTH, Associate Professor of English..... (1958)
B.A., University of Oklahoma, M.A., University of Michigan; University of Iowa; Northwestern University; Iowa State College; Southern Oregon College; Oregon Shakespearean Festival.
- GILBERT A. WYLLIE, Associate Professor of Biology..... (1965)
B.S., College of Idaho; M.A., Sacramento State College; Ph.D., Purdue University.
- JERRY YOUNG, Assistant Professor of Mathematics..... (1964)
A.A., Centralia Junior College; B.A. (Math.), B.A. (Ed.), Central Washington State College; M.A., Washington State University.
- JOHN R. YOUNG, Professor of Marketing..... (1967)
B.Ed., Whitewater State College, Wisconsin; M.A., Ph.D., University of Iowa.
- VIRGIL M. YOUNG, Associate Professor of Education..... (1967)
B.S., M.Ed., Ed.D., University of Idaho.

EMERITI

- WILLIAM S. BRONSON, Professor of Psychology
(1954-1970)
- ELSIE BUCK, Professor of Mathematics
(1932-34, 1937-68)
- VINA BUSHBY, Associate Professor of Secretarial Science
(1946-65)
- CLISBY T. EDLEFSEN, Professor of Business
(1939-69)
- LUCILLE T. FORTER, Instructor in Voice
(1932-62)
- JOHN F. HAGER, Associate Professor of Machine Shop
(1954-69)
- ADA Y. HATCH, Professor of English
(1932-67)
- MARY T. HERSHEY, Registrar
(1933-54)
- KENNETH L. HILL, Associate Professor of Education
(1962-70)
- HELEN E. MOORE, Dean of Women
(1947-68)
- CAMILLE B. POWER, Associate Professor of Spanish and French
(1932-35; 1936-51; 1954-67)
- HAZEL MARY ROE, Associate Professor of Office Administration
(1942-44, 1947-69)
- LYLE F. TRAPP, Assistant Professor of Auto Body
(1953-67)
- HELEN WESTFALL, Associate Professor of Physical Education
(1962-70)

ELEMENTARY EDUCATION**SUPERVISING TEACHERS, CAMPUS SCHOOL**

KEITH KEENER	Principal
PAULINE SPROUL	Nurse
LOIS WAND	Grade 1
MARGUERITE TOOMAN	Grade 1
CARLOTTA HAWKS	Grade 2
MARIANNE WORDEN	Grade 2
MARIEL FRITSCHLE	Grade 3
DOROTHA SEELEY	Grade 3
ALICE GOIN	Grade 4
DOROTHY ROBERTS	Grade 4
GRACE DAVENPORT	Grade 5
ALYCE YOUNGBLOOD	Grade 5
DUANE ROBERTS	Grade 6
HARRY G. WARR	Grade 6

INDEX

Absences	33
Academic Probation	34
Accounting Courses	133
Accreditation	6
Activities Eligibility	24
ACT Tests	29
Administrative Officers	iv, v
Admission Requirements	29
By Equivalency Certificate	31
By Examination	31
Challenging Courses	32
On Probation	34
Regular Students	29
Special Students	31
Vocational-Technical	31
With Advanced Standing	31
With Deficiencies	31
Upper Division	32
Acceptance into Program	32
Former Students	32
Junior Standing	32
Certificate of Admission	33
Transfer Students	32
Alumni Affairs Office	20
Anthropology Courses	80
Applied Music Courses	75
Apprenticeship & Trade Ext.	187
Art Courses	65
Associate of Applied Science	42
Associate of Science	42
Athletics	24
Auditing: Accounts	15
Auto Body	180
Auto Mechanics	181
Aviation Course	134
Baccalaureate Degree Programs	41
Biology Courses	109
Board of Trustees	iv
Boise State College	
Cultural Advantages	5
History of	2
Mission and Objectives	2
Plan	3
Plant	3
Bookstore	19
Botany Courses	111
Business Education Courses	134
Calendar	Inside Covers
Campus Map	ii
Center for Business & Economic Research	126
Center for Guidance, Counseling, and Testing	19, 138
Certificate of Admission	33
Chemistry Courses	113
Classification of Students	33
College-wide Courses	44

Course Numbering System	43
Course Prerequisite Waiver	35
Criminology Courses	141
Curricula	
Non-Baccalaureate Degree Programs	
Auto Body	181
Auto Mechanics	182
Computer Programming	182
Criminology	132
Dental Assisting	100, 183
Drafting Technology	176
Electronics Technology	178
Engineering	98
Fashion Merchandising	131, 180
Forestry	91
Home Economics	94
Horticulture	171
Machine Shop	185
Marketing—Mid-Mgement	132, 180
Medical Record Tech.	101
Medical Secretary	102, 132
Office Machine Repair	173
Practical Nursing	185
Pre-Dental Hygiene	103
Radiologic Tech.	105
Registered Nursing	108
Rehabilitation Therapy	107
Secretarial Science	132
Technical—Two Year Programs	176
Vocational—Two Year Programs	171
Vocational—One Year Programs	181
Welding	175, 186
Baccalaureate Degree Programs	
Accounting	126
Advertising Design	48
Art	48
Biology	89
Business Education	127
Chemistry	91
Criminology	131
Drama	63
Earth Science	86
Economics	128
Elementary Education	147
Engineering	98
English	51
Environmental Health	100
General Business	128
History	52
Industrial Business	129
Marketing	129
Mathematics	95
Medical Technology	103
Music	55
Office Administration	130
Physical Education	154
Pre-Medical, Pre-Dental	104
Psychology	159
Public Administration	130
Secondary Education	149
Social Science	59
Social Work	61
Spanish	54
Speech	62
Teacher Education	146

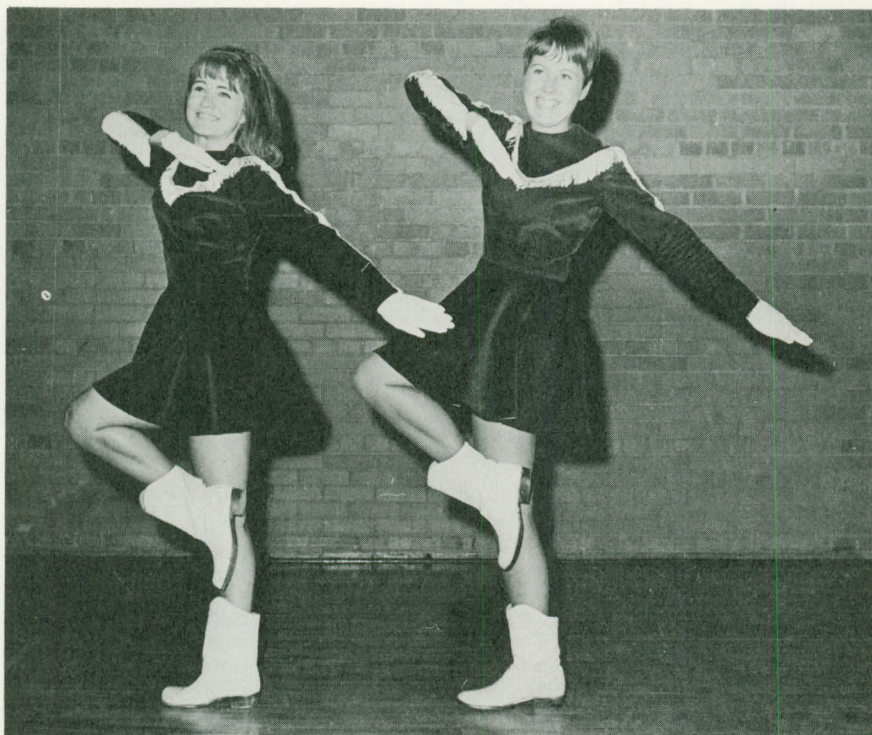
INDEX

Computer Programming Courses	182	General Business Courses	136
Data Processing Courses	134	General Information—Part I	1
Departments of Instruction		Geography Courses	80
Accounting & Data Processing	126	Geology Courses	114
Art	46	German Courses	74
Athletics	154	Grading System	33
Biology	89	Graduate Degree Programs	9
Business Education and Office Administration	125	Graduation Requirements	36-41
Center for Counseling, Guidance, and Testing	19, 145	Associate of Applied Science	42
Chemistry	91	Associate of Science	42
Earth Science	93	Baccalaureate Degrees	41
Economics and Public Adm.	125	Bachelor of Arts	37
English	46	Bachelor of Business Administration	39
Foreign Languages	46	Bachelor of Fine Arts	40
General Business	125	Bachelor of Music	40
Health, Physical Education and Recreation	145	Bachelor of Science	38
Health Services	99	Extension Courses	36
History	46	Hours in Residence	36
Home Economics	95	Diploma	42
Mathematics	95	Health Services	19
Music	46	History Courses	71
Physical Science and Engineering	98	History of Boise State College	1
Psychology	145	Home Economics Courses	116
Registered Nursing	108	Honors	6
Social Sciences	46	Horticulture Service Technician	171
Speech	46	Housing	26
Teacher Education and Library Science	145	Humanities Courses	71
Vocational-Technical	169	Incompletes	28
Delinquent Accounts	15	Institutional Mission and Objectives	2
Disciplinary Sanctions	25	Journalism Courses	86
Dishonored Check Policy	15	Library	4
Division of Instruction		Library Science Courses	168
Arts and Letters	46	Library Science Teaching Minor	153
Science and Health	88	Linguistics Courses	71
Drafting Technology	176	Loan Funds	21
Drama and Theatre Courses	86	Machine Shop	185
Economics Courses	135	Management Courses	138
Education (Teacher Education) Courses	165	Marketing Courses	138
Electronics Technology	178	Marketing—Mid Management Courses	139
Eligibility (Student Activities)	24	Mathematics Courses	117
Emeriti Faculty	202	Maximum Load	35
Employment Orientation	187	Medical Record Technician Courses	121
Engineering Courses	118	Medical Technology Courses	121
English Courses	68	Music Courses	77
Entrance Requirements (see Admission Requirements)	29	Music Fees	13
Environmental Health Courses	121	Nursing (See Registered or Practical)	100, 185
Evening Special Programs	7	Office Administration Courses	140
Faculty	189	Office Machine Repair	173
Fees	13	Patrolman (Gov't Service)	188
Finance Courses	136	Petitions	35
Financial Aids	20	Philosophy Courses	80
Foreign Language Courses	74	Physical Education Courses	160
Forestry Courses	111	Physical Science Courses	120
French Courses	74		
Full-time Student	13, 33		

INDEX

Physics Courses	120
Placement Services	19
Political Science Courses	80
Practical Nurse Program	185
Pre-Medical, Pre-Dental Studies	96
Pre-Vocational Training	187
Probation and Dismissal	34
Psychology Courses	164
Public Administration Courses	138
Refund Policy	138
Registered Nursing Courses	122
Rehabilitation Therapy Courses	121
Regulations	33
Religious Activities	23
Residence Definition	14
Schedule of Fees and Charges	13
Scholarships	20
Schools of Instruction	
Arts and Sciences	45
Business and Public Administration	125
Outreach Services & Programs	6
Education	145
Vocational-Technical	169
Secondary Education Options	150

Secretarial Courses (See Office Administration)	140
Sociology Courses	82
Social Work Courses	83
Spanish Courses	74
Speech Courses	84
Student Activities	23
Student Conduct	25
Student Employment	22
Student Housing	26
College Courts	28
Off-Campus	28
On-Campus	26
Student Personnel Services	17
Student Teaching	151
Student Union	18
Teacher Certification	149
Teacher Education Courses	165
Tuition	13
Veterans Admission	29
Vocational Training Center	187
Welding	175, 186
Withdrawals	35
Zoology Courses	111



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H. W. Runner

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Lenn George of the B.S.C.
Printing and Graphics Services Center

BOISE STATE COLLEGE CALENDAR

1970 - 1971

SPRING SEMESTER

*Last Date to Complete All Admission Requirements (to be able to register at regular registration times)		4:30 P.M.	Mon.	1971 Jan.	4
Department Chairmen Meeting (By Schools)			Wed.	Jan.	6
Faculty Meeting (By Schools) (Curriculum and Registration Planning, Instructional Preparation)			Thurs.	Jan.	7
Residence Halls Open to New Students		1:00 P.M.	Sun.	Jan.	10
Pre-Registration Counseling (Seniors and Juniors)		8:00 A.M.-4:30 P.M.	Tues.	Jan.	12
Late ACT Test		10:00 A.M.-2:30 P.M.	Tues.	Jan.	12
Foreign Language Placement Test (LA206) (for students who have foreign language background and wish to continue in the same foreign language)		3:30-5:30 P.M.	Tues.	Jan.	12
New Student Orientation & Group Counseling (LA 106)		8:00 A.M. 9:45 P.M.	Wed.	Jan.	13
Pre-Registration Counseling (Sophomores and Continuing Freshmen)		8:00 A.M.-4:30 P.M.	Wed.	Jan.	13
Pre-Registration Counseling (Liberal Arts Bldg). (New, Transfer & Former BSC Students)		8:00 A.M.-4:30 P.M.	Thurs.	Jan.	14
Registration for Seniors, Juniors, Sophomores (by Schedule in Gymnasium)			Thurs.	Jan.	14
Pre-Registration Counseling (Liberal Arts Bldg). (New, Transfer, & Former BSC Students)		8:00 A.M.-3:00 P.M.	Fri.	Jan.	15
Registration for Freshmen (by Schedule in Gymnasium)		8:00 A.M.-3:00 P.M.	Fri.	Jan.	15
Evening School Registration (Gymnasium)		7:00 P.M.-9:00 P.M.	Fri.	Jan.	15
Evening School Registration (Gymnasium)		9:00 A.M.-12:00 P.M.	Sat.	Jan.	16
Classes Begin			Mon.	Jan.	18
Last Date for Adding New Courses for Credit			Wed.	Jan.	27
Washington's Birthday (Holiday)			Mon.	Feb.	15
Last Date for Withdrawal without Penalty for Failing Work			Fri.	Mar.	12
End of Mid-Semester Examinations			Fri.	Mar.	12
Last Date for Removal of Incompletes for Previous Semesters			Fri.	Mar.	12
Spring Vacation		from 10:00 P.M. to 7:00 A.M.	Fri. Mon.	Mar. Mar.	12 22
Last Date to Withdraw from Classes			Thurs.	April	22
Semester Examinations		from 8:00 A.M. to 5:00 P.M.	Mon. Thurs.	May May	10 13
Residence Halls Close		6:00 P.M.	Sun.	May	16
Commencement			Sun.	May	16

SUMMER SESSION 1971

First Session	June 7 — July 9
Second Session	July 12 — August 13

*Students who complete after this date will be charged a late registration fee and scheduled after regular registration times.

BOISE STATE COLLEGE BULLETIN

CATALOG ISSUE 1970-71

AUGUST, 1970

ADDENDUM

The following addendum has been approved since the publication of the 1970-71 Boise State College catalog. All copies of the catalog should be marked to show the changes. Additions and the revised page 51 may be clipped and inserted in the appropriate page of your catalog.

On inside front cover change ending date of the Christmas Vacation to read Jan. 12, 1971.

On page 35 add the following new paragraph I.:

I. CREDIT FOR PREREQUISITES NOT TAKEN

Students who have a sufficiently high G.P.A., or ACT score, or who pass a Departmental Placement examination may take designated courses without taking the listed prerequisite.

Students who receive a grade of "C" or better for a course in which they have not taken the prerequisite course(s) will be given credit with a grade of "S" for that course(s) when the following conditions are fulfilled:

1. The student makes application for this credit.
2. Department Chairmen, Division Chairmen, and Deans will determine for which prerequisite course(s) this credit is appropriate.
3. In some cases, an examination covering the content of the prerequisite course(s) must be passed by the student.

On page 44 add to the list of college-wide courses:
297 Special Topics 1-4 credits.

A student may apply a maximum of 12 credits of Special Topics (both 297 and 497) toward graduation.

On page 44 change HP 195 Honors Seminar to read HP 195, 295 Honors Seminar.

On page 51 replace the present page by inserting the following page 51 which includes the Requirements for English Majors:

Arts and Letters

51

III Advertising Design

Freshman year (see General Art Freshman year)

Sophomore year

Intermediate Drawing	2	0
Intermediate Painting	2	2
Advertising Design	2	2
Intro to Music or Drama	3	0
Social Science	0	3
Lab Science or Mathematics	4	4
Electives	3	5
	16	16

REQUIREMENTS FOR ENGLISH MAJORS

Bachelor of Arts Degree

- I. Completion of general college requirements for Bachelor of Arts. See Page 32.
 - II. Competence in a Foreign Language equivalent to that gained by 2 years of college instruction.
 - III. Total credits required in the English major
 - A. Required courses for all majors 29 credits
 1. Survey of British Literature 6 credits
 2. Methods and Theories of Literary Criticism 3 credits
 3. Shakespeare 3 credits
 4. Pre-1800 British Literature 6 credits
 5. Post-1800 British or American Literature . 6 credits
 6. Senior Seminar 2 credits
 7. Electives in English 3 credits

29 credits
 - B. Required courses in English options 18 credits
 1. Liberal Arts Option:
 - a. History of the English Language or Introduction to Linguistics 3 credits
 - b. English Electives, 3 of which must be American Literature credits 15 credits

18 credits
 2. Secondary Education Option:
 - c. Advanced English Grammar 3 credits
 - d. Oral Interpretation 3 credits
 - e. Speech for Teachers 3 credits
 - f. Methods of Teaching Secondary School English 3 credits
 - e. and f. may be counted toward the required 20 professional credits for certification (See page 150 for required Professional Education courses.)
 - g. English Electives, 3 credits of which must be in American Literature courses 6 credits

18 credits
- GRAND TOTAL..... 47 credits**
 either option

On page 52 add title at top of page:

REQUIREMENTS FOR HISTORY MAJOR

Bachelor of Arts Program

On page 82 and 83 add new Sociology Courses (comprising a major in Sociology):

SO 240 Sociology of the Family—3 credits Each semester
An analysis of courtship, marriage, kinship, and family patterns in the United States and selected societies. Theories and facts of the relationship of these patterns to the larger society. Prerequisite: SO 101.

SO 310 Elementary Social Statistics—3 credits Fall semester
The application of measurements to sociological data. Basic statistical measures, techniques for their application, meaning and use in research. Recommended for majors, to be taken in the Junior year and followed by SO 311. Prerequisite: SO 101, High School Algebra, upper division status.

SO 403 Social Change—3 credits Fall semester
This course will study the factors influencing the acceptance or rejection of innovations, and their effects on social institutions. Prerequisites: SO 101 and upper division status.

On page 84 change Social Work course numbers:

SW 402 change to SW 401 and delete SW 401 as prerequisite. SW 403 change to SW 402.

On page 107 delete Physical Therapy Assistant program.

On page 107 add new two year Inhalation Therapy program:

INHALATION THERAPY

In the field of Inhalation Therapy there is a need for therapists in hospitals, nursing homes, and homes, wherever a prescribing physician practices. About forty clinical disorders, some very common, are significantly or dramatically treated with inhalation therapeutic techniques. The need for therapists is expanding, due to increased use of therapeutic gases, increased number of older people with respiratory conditions, and the continuous development of new equipment.

The curriculum consists of 64 semester hours, of which 28 hours are service courses that will be taken on the B.S.C. campus, while most of the remaining 36 hours are clinical courses that will be taken at Caldwell Memorial Hospital and taught by qualified members of their hospital staff.

Students wishing to enter the program need to do the following:

1. Meet general requirements for admission to Boise State College.
2. Be interviewed by the selection committee headed by Mrs. Janice Rose, A.R.I.T., Technical Director, Inhalation Therapy Program.

Upon completion of the 2 year program, students will receive an Associate of Science degree and eligibility to take National Registry written and oral exams. Successful completion of National exams qualifies one as a Registered Inhalation Therapist.

INHALATION THERAPY ARTS CURRICULUM

FRESHMAN YEAR

First Semester		Second Semester	
	Credits		Credits
Z 107 Anat. & Physiology	5	PS 102 Prin. of Phys. Science	4
PS 101 Prin. Phys. Science	4	E 102 English Composition	3
E 101 English Composition	3	PE PE Activity	1
PE PE Activity	1	*Electives	4
IT 101 Inhalation Therapy		IT 102 Inhal. Ther. Basic	
Basic Science	2	Science	2
IT 151 Ethics & Administration	2	IT 160 Ventil. Theory	
		and Equip.	2
	<hr/> 17		<hr/> 16

SUMMER SESSION

	Credits
IT 180 Clinical Experience	5

SOPHOMORE YEAR

First Semester		Second Semester	
	Credits		Credits
IT 201 Pharmacology	2	IT 242 Bacteriology	2
IT 221 Pathology	2	IT 270 Inhal. Therapy Arts	2
IT 231 Airway Management		IT 256 Humidification, Aerosols	
and Spirometry	2	and Gases	2
IT 251 Resus. & Long Term		IT 262 Clinical Application	1
Ventil.	2	IT 282 Clinical Experience	3
IT 261 Clinical Application	2		
IT 281 Clinical Experience	3		
B 205 Microbiology	3		
	<hr/> 16		<hr/> 10

*Recommended electives include: PE 105 First Aid, PE 121 Personal and Public Health, OA 118 Business English, SO 101 Sociology, or P 105 Applied Psychology.

On page 109 add new paragraph preceding Nursing Curriculum:

G.P.A. POLICY

1. Students entering the fall term of the last year in the nursing curriculum must have a 2.0 G.P.A.
2. Students must make reasonable progress toward a G.P.A. of 2.0 during the first year in the nursing curriculum. Usually a G.P.A. below 1.6 during the first semester and 1.7 during the second semester will disqualify a student from continuing the next term of the nursing curriculum. Any student with a G.P.A. below a 2.0 will be on probation.
3. Nursing students obtaining a "D" or "F" in their major (nursing) must repeat the course and raise the grade to "C" or above before continuing the nursing curriculum.
4. A grade of "D" in any formal clinical evaluation period, by a given clinical instructor will automatically place a student on probation.
5. Two grades of "D" or one "F" in clinical evaluations in one semester is considered adequate reason for dismissal from the program. When this situation occurs, it will be reviewed by the nursing faculty for final action.
6. Students with a cumulative G.P.A. of 2.0 and no grade below a "C" in their major qualify for graduation.

On page 111 change Z 107 to 5 credits (from 4) and in second paragraph of description "Three lectures and ..."

On page 121 delete all RT REHABILITATION THERAPY courses.

On page 121 add the following Inhalation Therapy courses:

IT INHALATION THERAPY

101-102 Inhalation Therapy Basic Sciences—2 credits Each semester

This course is designed to augment basic principles presented in Chemistry, Physics, and Anatomy, and introduce basic concepts and theory of Inhalation Therapy. Special emphasis on Pulmonary Physiology will be given.

151 Ethics & Administration—Introduction to Equipment—2 credits

First semester

This course is designed to be a study of principles that will be of assistance in the understanding of inter-personal relations on the job. Emphasis is directed toward patient management.

An introduction in the operation and maintenance of basic inhalation therapy equipment.

160 Ventilation Theory and Equipment—2 credits

Second semester

This course provides knowledge in the control and assistance of respiratory processes and the various modes of therapy administration. This course will also present an understanding of these processes and their therapy, both in theory and in practical terms. Prerequisite: IT 101-102.

180 Clinical Experience—5 credits

Summer session

A course designed to give opportunity to apply knowledge gained in the courses described to the clinical disorders. Supervision of the student-patient contacts by an inhalation therapist is constant, in classes of no more than five students for one teacher. The student is encouraged to develop a rather complete concept of disease process including etiology, pathological changes, signs and symptoms, general and specific treatment, prophylaxis, and prognosis. One hour lecture daily and 35 hours laboratory per week for the 5-week summer session. Prerequisite: IT 101-102.

201 Inhalation Therapy Pharmacology—2 credits First semester

A course designed to provide a sound understanding of the drugs used in inhalation therapy. Prerequisite: IT 101-102.

221 Inhalation Therapy Pathology—2 credits First semester

A course designed to provide a sound understanding of pathology with special emphasis on the pulmonary and circulatory system. Prerequisite: IT 180.

231 Airway Management and Spirometry—2 credits First semester

This course is designed to introduce techniques necessary to measure and evaluate the functional efficiency of the respiratory process and assess a patient's status and progress. Prerequisite: IT 160.

242 Inhalation Therapy Bacteriology—2 credits Second semester

A course designed to provide sound understanding of Bacteriology with special emphasis on the pulmonary and circulatory systems. Prerequisite: B-205.

251 Resuscitation and Long Term Ventilation—2 credits First semester

A course designed to provide an understanding of the techniques employed in re-establishing and supporting vital life processes. The course includes a study of long term intermittent positive pressure breathing and various methods of resuscitation. Prerequisite IT 231.

256 Humidification and Aerosols—2 credits Second semester

The course is designed to present knowledge and necessary skills for administering and maintaining aerosol therapy. There are numerous methods available for humidifying the administered gas and because of their complexity a single course is warranted. Also considered are the physiological effects of humidification and its therapeutic effect. Prerequisite. IT 160.

261-262 Clinical Application—1-2 credits Each semester

A course designed to help the student recognize specific application of techniques to patients. Emphasis on the gases and their therapeutic values will be given. Prerequisite IT 180.

270 Inhalation Therapy Arts—2 credits Second semester

This course is designed to help the inhalation therapy student develop the appreciation of the plight of the patient and the necessity of considerate care. Involved are the physical handling of the patient, an understanding response to his emotional changes, and awareness of his personal responses to his injury or illness. Sterile techniques are learned, as are vital signs. Prerequisite IT 261 and 281.

281-282 Clinical Experience—3 credits Each semester

A sequence of courses designed to give opportunity to apply knowledge gained in the courses described to the clinical disorders. Supervision of the student-patient contacts by an inhalation therapist is constant, in classes of no more than five students for one teacher. The student is encouraged to develop a rather complete concept of disease process including etiology, pathological changes, signs and symptoms, general and specific treatment, prophylaxis, and prognosis. Prerequisite: IT 180.

On page 121 add New Environmental Health course:

EH 200 Man and His Environment—3 credits Each semester

A course designed to reveal the impact of man on his environment with emphasis on the biological, economic and social factors involved, with the aim of preparing the students to be sensitive to the significant issues and factors involved in environmental decision making. Three lecture-discussion periods per week.

On page 129 add Note after Areas of Emphasis (d) Aviation Management:

A student majoring in the Aviation Management emphasis in General Business may receive 6 semester hours of credit toward the degree if he already has possession of a private or commercial flying certificate in force at the time of application. These six credits would be assigned a grade of "S" and not counted in the computation of grade point average. Further, the student must be of senior standing and a candidate for a degree.

The individual student would file a written petition for the credit with photostatic copies of his private pilot's license, current medical certificate, and current Idaho state pilot's registration certificate.

Approval of the petition would be required of the flight program director, Chairman of the Department of General Business, and Dean of the School of Business and Public Administration.

The credits would be recorded as AV 101 and AV 121-122.

It is emphasized that such credits would apply only to a degree with the Aviation Management emphasis and not toward any other major in the college.

On page 136 add New Economics Course:

EC 210 Contemporary Economic Problems—3 credits Fall semester

The study of the economic system from the view point of the consumer. A survey of the field of economics in one semester designed especially, but not exclusively, for the non-business student.

On page 176 add the following after Technical Two Year Programs:

PT PRE-TECHNICAL—SEQUENCE

This is a one semester pre-technical sequence for those students who lack the recommended prerequisite courses deemed necessary to compete, complete and succeed in a regular vocational-technical curriculum, and is offered as a refresher course for those students who have had an excessive period of time elapse since their last formal schooling.

	Credit Equiv.	Hours per Week
PT-010—Blue Print Reading and Basic Mechanical Drawing	4	14 hours (5 Lec. 9 Lab.)
PT-020—Intro. to Tech. Communications	3	3 hours Lec.
PT-030—Intro. to Tech. Mathematics	4	5 hours Lec.
PT-040—Science Survey	4	5 hours Lec.
PT-050—Technical Orientation	1	3 hours Lec.
Totals	16	30 hours

The above non-credit courses are open to all students entering the technical programs in Boise State College.

The above sequence is offered every semester, as student pressure demands and will allow admittance in the spring as well as the fall semester.

PT PRE-TECHNICAL—COURSES

010 Blueprint Reading and Basic Mechanical Drawing—4 credit equiv.

An introductory course in blueprint reading, sketching and drafting methods and procedures. 14 hours per week-lecture/lab.

020 Introduction to Technical Communications—3 credit equiv.

A survey course of communication systems, use of technical libraries, forms, reports and technical language, word usage, spelling and proper form emphasized. 3 hours per week-lecture.

030 Introduction to Technical Mathematics—4 credit equiv.

Survey and review of mathematic principles and methods. Uses of mathematics in technical fields with practical examples of application. 5 hours per week-lecture.

040 Science Survey—4 credit equiv.

Review of science as related to technical industry with practical problems and applied solutions. 5 hours per week-lecture.

050 Technical Orientation—1 credit equiv.

A survey course of the technical industry with several field trips and visits from representatives from various concerns that employ technicians. 3 hours per week-lecture.

On page 182-3 delete the Computer Programmer Trainee Curriculum and all Computer Programming Courses (CP 103, 107, 111-112, 123, 131, 132, 142, 152, 162, 262).